APPENDIX J ENGINEERING REPORT

ENGINEERING REPORT

OF THE

ADEQUACY OF EXISTING UTILITY INFRASTRUCTURE

to serve the

RINCON DE LOS ESTEROS REDEVELOPMENT PROJECT

Prepared by Nolte and Associates, Inc.

JULY, 1997

ENGINEERING REPORT OF THE ADEQUACY OF EXISTING UTILITY INFRASTRUCTURE

to serve the

RINCON DE LOS ESTEROS REDEVELOPMENT PROJECT

TABLE OF CONTENTS

- A. Introduction
- B. Storm Drainage System Background
- C. Sewer System
- D. Miscellaneous

Utility Section
Domestic Water
Telephone
TCI Cablevision
Electricity and Natural Gas

E. Drawings

Storm SD-1, SD-2 Sewer SS-1, SS-2 Water W-1, W-2

Appendices

Sanitary Sewer Tables A, B, C

Storm Drainage System Appendix Table D

A. INTRODUCTION

This engineering report evaluates the adequacy of existing storm and sewer systems and presents comments on service utilities including telephone, water, electrical and gas systems for the Rincon De Los Esteros Redevelopment Project (Rincon Study Area).

This engineering study and report of the Rincon Study Area is intended to evaluate the impact to existing utilities in this area by developing 650 acres of either vacant or redevelopable lands. The existing utility systems are shown in drawings (SSD-1, 2 and SS-1,2 and Water-1, 2). Five development scenarios have been studied in which the Floor Area Ratios (FAR's) have been increased from 0.35 to 0.85.

The Rincon Study Area is bounded by Highway 101, Highway 880, the Guadalupe River, Coyote Creek, and Highway 237. This area is commonly referred as the "Golden Triangle". The Golden Triangle is zoned as either Industrial Park or High Density Residential according to the City of San Jose Horizon 2000 - Land Use/Transportation General Plan.

| В. | STORM DRAINAGE SECTION | |
|----|------------------------|--|
| | | |
| | | |
| | | |
| | | |

STORM DRAINAGE SYSTEM BACKGROUND

The Rincon De Los Esteros Redevelopment Project (Drainage Basin) is generally bounded by an area south of Highway 101, Coyote Creek to the east, the Guadalupe River to the west and Highway 237 to the north. The basin drains in a northwest direction and encompasses about 5,500 acres. The Rincon Study basin is currently defined as a floodplain by the Federal Emergency Management Agency (FEMA). This designation as a flood plain is the result of past overtopping of either the Guadalupe River or Coyote Creek and the inadequate levees that existed on the Guadalupe River and Coyote Creek.

The Santa Clara Valley Water District (SCVWD) has jurisdiction for the Guadalupe River and Coyote Creek, which serves as the drainage system outfall for the Rincon Drainage Basin. The SCVWD regulates outfall into the river. The City of San Jose provides service to the existing storm drainage system. The underground drainage system is composed of storm lines which range in size from 12 inches to 108 inches. The system consists of storm laterals which intercept flow from site or streets surfaces. The laterals then gravity flow to storm interceptors (mains) that gravity flow to the Guadalupe River. Pumps exist for the northern and central region of the drainage basin. The storm lines consists mostly of Reinforced Concrete Pipe (RCP) and flow by gravity.

The Rincon drainage basin can be difficult to drain because of restrictions related to existing ground features and upstream and downstream storm flows in the Guadalupe River. The difficulty of removing stormwater from this basin is compounded by the high water levels in the River and Creek. Tidal action only has a minimal on the drainage basins.

The Santa Clara Valley Water District (SCVWD) recently completed construction of the Coyote Creek Flood Control Project. This project included levee improvements to Coyote Creek from the Montague Expressway to the outfall into the San Francisco Bay. The drainage capacity of the Creek will should be improved.

The FEMA Map (FIRM) for this area is currently under review. If the FIRM map revision is approved, certain areas might be removed from the floodplain designation.

The SCVWD has also improved the structural stability and capacity of the Guadalupe River for a few reaches north of Highway 101. These improvements include either raising the existing levees or structural improvements to the levees. A planning study is also currently being developed by the SCVWD for the river reaches between Highway 101 to the Alviso outlet. An additional project is planned for similar improvements to the Guadalupe River from the Highway 880 to Highway 101. Funding is currently being sought for this latter project. These planned improvements, together with channel maintenance to the Guadalupe River (such as dredging), could possibly improve the current floodplain conditions in the Rincon Study Area and lower the floodplain water elevation, depending on the SCVWD'S solutions to the Guadalupe River problems.

The City of San Jose has adopted a 50 percent blockage criteria for most of the Rincon Study Area. The general principal behind this blockage criteria is to assure that overland excess storm water flow within this flood plain is not restricted, thereby reducing flood damage to existing or proposed structures⁵.

As a general rule, the flood water depth for overland flow in the study area is about 1 to 2 feet. Flood contours were developed for use in the 50% blockage methodology and proposed structures must be constructed at the appropriate water surface contour, or 2.5 feet above the existing ground, which ever is greater. The development scenarios for the Rincon Study Area was to comply with this criteria for proposed building elevations and site cross-sections (walls, landscaping, etc.).

Study Area Drainage Subbasins

Because of physical constraints within the existing storm drainage system, the Rincon Study Area was divided into northern, central, southern, and south of Highway 101 drainage basins for this study.

The Northern Basin consists of about 2200 acres, and lies essentially north of Montague Expressway to areas north of Highway 237. This study area drains to the northwest part of the Rincon Study Area (system #11 and #12). The existing storm lines flow by gravity to the Oakmead Pumping Station located north of Tasman Drive. This pump station lifts excess storm runoff into the Guadalupe River and it does not have a detention facility.

The <u>Central Basin</u> lies generally between Tasman Road and Montague Expressway and consists of about 550 acres (System #10). This basin outlets into the Guadalupe River from a pump and 84-inch RCP storm line.

The Southern Drainage basin is generally bounded by Highway 101, Coyote Creek, the Guadalupe River, and Montague Expressway and consists of about 1600 acres (Systems #9 and some of #2). The existing storm lines drain in a northwest direction by gravity. The existing outlets are a 96-inch RCP line in Montague Expressway that outlets into the Guadalupe River through a flapgate. A 36-inch outlet on Trimble Road also outlets into the Guadalupe River. This outlet also has a flap gate.

The basin South of Highway 101 drains in a northwesterly direction. The system outlets through a 66- and 78-inch RCP and has flap gates (System #1), a 54 RCP (System #2) and a 42-inch RCP with a pump discharge (System #3).

2

⁵ North San Jose Floodplain Study Update June 1987 - Nolte and Associates.

NORTHERN BASIN

The northern part of the Rincon Study Area is served by the Oakmead Stormwater Pump Station (OSPS). The OSPS station is located on the east bank of the Guadalupe River about one half-mile southwest of North First Street at Rio Linda. Two inlet storm sewers, 108-inch and 84-inch, bring excess stormwater into the head end of the OSPS inlet structure. The pumping station lifts stormwater from a primarily industrial area to an outfall structure discharging into the Guadalupe River (See Fig. A2).

The OSPS has a design capacity of 340,000 gpm (758 cfs). The wet well is about 85x27x58 feet. The outfall structure (see Figure 13-5) is a concrete box, with outlet pipes and flapgates. A weir at the top of the box outlets to the Guadalupe River. The 108-inch storm sewer collects storm runoff from north of Highway 237, north of Tasman Avenue and east of First Street (System #12, Drawing SD-1). The 84-inch storm sewer collects excess runoff along Tasman Avenue including the Agnews Hospital Area.

Preliminary calculations indicate that the drainage basins for this pump station generate about 750 cfs for a 10 year storm. However, our calculations show that these storm pipes have a capacity less than demand, and carry about a 3 to 5 year storm (see Table D in appendix).

CENTRAL BASIN

The central basin is generally located between Tasman Road and Montague Expressway. This basin drains about 550 acres. The drainage system is composed of laterals and storm drains that range in size from 12 inches to a outfall of 84 inches. The pipes are Reinforced Concrete Pipe (RCP) and flow by gravity. The River Oaks pump station lifts storm excess flow above the Guadalupe River high water surface. The 84-inch outfall is located north of the River Oaks Expressway, and discharges into the Guadalupe River.

The calculations in this report shows that the storm drains and have a capacity less than demand, and will carry a 3 to 5 year storm.

SOUTHERN DRAINAGE BASIN

The recent improvements to certain sections of the Guadalupe River will alleviate some of the flooding that periodically takes place but will not remove the basin from the flood plain status.

A drainage report⁴ was recently prepared addressing existing and potential flood concerns at the intersection of Montague Expressway and North First Street within this basin. The study objective was to evaluate performance of the existing underground storm drainage system serving the drainage basin and to identify and evaluate improvement alternatives to correct drainage deficiencies.

There have been three floods in the 1980's, and two floods in the 1990's where the Guadalupe River water surface has reached a high stage. This high water has either prevented or reduced storm runoff from developed low areas from discharging into the Guadalupe River. At several locations, including the intersection of North First Street and Montague Expressway, storm water has ponded to approximately two feet in depth. These inundated areas have brought water surface elevations within inches of existing building floor elevations.

The Schaaf and Wheeler study analyzed various alternatives to relieve potential flooding by the 10-year storm. The conclusion from the study included:

- 1. The existing storm drains have a capacity for about a 3-year storm, with free discharge.
- 2. The 10-year water surface level in the Guadalupe River is 20.5 feet (11,000 cfs) NGVD from the Santa Clara County Water District 1995 Study. The SCCWD will be releasing a upgrade to the 1995 study in the near future which could either increase or decrease the water surface elevation.

This high water surface elevation in the Guadalupe River and the low ground elevations at Montague Expressway and North First Street Intersection (14.3 feet), or the elevation of the lots in the existing abutting developments (12.6 feet) can result in ponding of storm flows. Ponding is the result of the high water surface in the Guadalupe River closing the flap gates, and then because it cannot flow into the river, the stormdrain pipes surcharge until the storm water "bubbles" out at the lower elevation inlets

- 3. The Schaaf Wheeler drainage report recommended the following:
 - a. Construct two 96-inch diversion storm drains along Trimble Road to remove some of the excess flow that drains to Montague Expressway.

4

⁴ Schaaf and Wheeler, Consulting Civil Engineers. Montague Expressway/North First Street Drainage Study, October 11, 1993

- b. Construct one 96-inch storm drain on Montague Expressway from North First Street to the Guadalupe River Outfall.
- c. Install a full pumping facility at the outfall vs. a combination detention pumping station. This would enable the storm excess water to be discharged to a high water surface elevation in the river. A detention facility would probably not be practical due to the high cost of available vacant hand.
- d. The storm drains in Trimble, Montague Expressway and North First, as a minimum, would all have to be upgraded in the future to create capacity for runoff from a 10-year storm.

Calculations performed for this report verified the findings in the Schaaf Wheeler drainage report.

The calculations in the appendix will show that the existing storm drainage system only has the capacity of a 2- to 4-year storm. The plot of the hydraulic grade line emphasized that some of the pipes will surcharge out of the existing inlets and inundate existing lots in some areas.

The City of San Jose capital improvement program allocated the following funds for storm drain improvements within the Rincon study area:

1. Montague/Guadalupe Pump Station \$1,820,000 (1996 through 1999)

2. North San Jose Capital Improvement Plan \$200,000 (1996 - 1997)

3. Rincon Flood Control \$1,800,000 (1996 - 1999)

A storm water master plan for North San Jose is scheduled for completion in 1998. This master plan may define the need for several additional storm water pump stations and storm drain additions. The study will also verify the capacity of the entire storm drainage system in more detail.

SOUTH OF HIGHWAY 101

This region is generally bound by Highway 101, Highway 880 and the Guadalupe River. This drainage basin encompasses about 850 acres and drains in a northwesterly direction. Portions of this area have been designated as a floodplain by FEMA. The existing drainage system further subdivides the basin into three subbasins. The southern subbasin (System #1) drains approximately 525 acres. The storm drains in this subbasin range in size from 15 to 78 inches (RCP) and drain to the north westerly corner of the basin. The outlet from this subbasin is a 78-inch RCP pipe with a flapgate, and is located on Gish Road and the Guadalupe River.

The middle subbasin (System #2) generally drains in northwesterly direction and is composed of about 235 acres. However, portions of the storm runoff for this region flow

in storm drains northerly across Highway 101 into region 9. The storm drainage system outlets with a 54-inch RCP and is located at Brokaw Road and the Guadalupe River.

The northern subbasin (System #3) is composed of 40 acres. The existing storm drains flow in a southwesterly direction and outlets with a pump, 42-inch pipe and flapgate, which is located west of Gateway Place Street.

The South of Highway 101 Basin was analyzed for various storm frequencies, and the existing pipe capacities were determined. The result was similar to the basins in the northerly Rincon Study area in that the existing storm drains only have the capacity for about a three (3) year storm. Because of the high water level of the Guadalupe River, detention facilities and pumps will probably have to be considered in the future.

Methodology for Existing Storm Drains Analysis in the Report.

A computer data base of the existing storm drains in the Rincon Study Area was obtained from the City of San Jose. This data base was overlayed onto a AutoCAD 13 drawing of the Rincon Study Area base map which shows the development scenarios for the vacant and redevelopable land areas. Five drainage basins were then delineated following the natural drainage flows entering and are labeled from Northern to South of 101 of the existing storm drains. These five drainage basins were previously described. Several sub-basins shown in figure SD-1 and SD-2 were then delineated.

The hydrology for the basins was initially developed by determining flow times (times of concentration) for the existing and proposed development scenarios. A typical excess stormwater travel time was developed composed of initial time, roof gutter time, gutter flows and inlet pipe flows.

City of San Jose Design Guidelines for Storm Drains was used for evaluation of the existing or proposed storm drains. In general, the criteria used was:

- A 10-year storm capacity for underground conduits and a 100-year storm for overland flow.
- The Rational Method was used for the Hydrology.
- The Santa Clara County Drainage Manual IDF Curve Figure 6 was used in all addition.
- Runoff curve factor of 0.85 0.90 for Commercial/Industrial were used throughout the study
 - This factor was increased five percent for the development scenario with the largest FAR (loss of landscaping).
- Manning's roughness factor n = 0.015 was used for all computation.
- Elevations for the water surfaces at the outfall were obtained from the SCVWD.

Initial flows were developed in the upstream areas, and then drained into the existing storm drains. Pipe flow times were calculated, and tributary areas were added until a scenario area of study was reached. The scenario areas were then added to the cumulative areas to establish the increased flow into the existing storm drains. The hydraulic computation were performed using Haestad Methods Software (StormCad and Flowmaster) to develop storm line computer models. This computer software plots the hydraulic grade line and determines the storm frequency capacity of each pipe for both full flow and surcharged flow. The exact procedure to analyze the storm pipes would have required establishment of a comprehensive computer model, including hydropgraphs, split flows in the existing pipe system, pumping systems, and the Guadalupe River fluctuating water surfaces. This type study with comprehension timing analysis was beyond the scope of this report. However, several Rincon Study Area subbasins were analyzed, a unit runoff factor was established incorporating all of the results from the previously mentioned hydrology calculations. These unit runoff factors were then used to generate flows for each of the scenarios. The results were consistent with the previous studies and pump reports, and were used to analyze storm lines fronting the proposed development scenarios. These unit runoff factor flows and pipe hydraulic calculations are then shown in the storm section of the appendix to this report.

Mitigation Issues

The existing storm drainage facilities were previously designed for a 3-year frequency storm, but the City of San Jose criteria has been upgraded to a 10-year storm. Therefore, the existing storm drains will have a capacity less than the demand. This has been demonstrated by supporting computation in this report and the drainage studies previously identified.

The undersized drainage pipes can be mitigated by the following:

• Installation of the proposed <u>pump station</u> at the Montague Expressway will enable excess flow to be pumped to a high water surface elevation in the Guadalupe River.

The proposed <u>master plan drainage report</u> should produce a more efficient Methodology to analyze the remaining storm drainage system. A computer model can be developed which can realistically simulated the complicated flow patterns that currently exist (such as split flows in pipes). Flows can also be developed with hydrograph techniques in coordination with present and proposed flows identified by the SCVWD. The existing pump station at Oakmead and River Oaks should be re-evaluated using the new criteria.

• A systematic upgrade of the existing storm drains should result from the master drainage report.

C. SEWER UTILITY SECTION

BACKGROUND

The City of San Jose (City), through a Joint Powers Authority, provides sanitary sewer collection services for the Cities of San Jose, Santa Clara and Milpitas, West Valley Sanitation District, and County Sanitation District 2-3. The sewer service area includes the North San Jose Rincon De Los Esteros Redevelopment Project Study Area (Rincon Study Area). The City's wastewater collection system consists of inter-connected pipelines. Sewer laterals originating at individually developed sites flow by gravity to sewer mains, collectors, and trunks. These sewer mains generally flow by gravity to a major sewer interceptor system located in Zanker Road. The sewer interceptors then flow northerly to the San Jose/Santa Clara Pollution Control Plant (WPCP) located north of the Rincon Study Area.

The City's collection system includes about 1,800 miles of sanitary sewer pipe, the majority (1,600 miles) of which is under fifteen inches in diameter. Sewer lift stations and force mains exist within the collection system to transport sewer flows that cannot be transmitted by gravity. The system sewer mains, collectors, and trucks range in size from 6 to 54 inches in diameter. These lines are primarily Vitrified Clay Pipe (VCP) or Reinforced Concrete Pipe (RCP). The force mains are generally Ductile Iron Pipe (DIP).

The major Interceptor System originates at the intersection of Empire and Seventh Streets (central downtown San Jose) and flows northerly along Fourth and Heading, Fifth and San Fernando, Commercial and Seventh Streets crossing Highway 101 and into Zanker Road to the WPCP. The interceptor lines include a 60-inch diameter Brick Sewer, a 60-inch diameter (RCP) and an 84-inch RCP. The three interceptors are inter-connected at five structures located along Zanker Road. Wastewater flowing within the interceptor system is a composite of flows from all areas within the City's service area.

The Lamplighter Sewage Pump Station (LSPS), located at the southwest corner of the intersection of North First Street and Lamplighter Way serves an area bounded on the north by Highway 237, on the east by Zanker Road, on the south by McGier Lane and on the west by the Guadalupe River including the Rincon Study Area. The LSPS contains four-pumps operating unmanned 24 hours per-day year round. Each of the four pumps is rated at 60 horse power with a capacity of 4,000 gallons-per-minute. An 8,533 foot long, 24-inch diameter Ductile Iron Pipe force main carries the wastewater from the pumping station to a discharge box in the treatment plant (WPCP).

General Design Considerations

1. Sewer Level of Service (SLOS)

The City of San Jose has adopted a SLOS Policy for design of sanitary sewer mains. The Levels of Service range from "A" to "F". Level A is defined as unrestricted flow and

Level F is defined as being inadequate to convey existing sewer flow. The SLOS for a sewer line is determined by comparing its calculated capacity. Flows generated by a new development are calculated and then added to the existing flows to establish the developed level of service. New developments in the Rincon Study Area are required to meet SLOS D. If the SLOS falls below Level D to either E or F, the site developers must install sewer supplements to improve the SLOS to level D.

2. Maximum Depth of Flow and Peak Flow Rate:

The City of San Jose generally uses the following sewer design criteria.

- a. Peak sewer flows are determined by multiplying the average daily flows by a "P6 peak factor".
- b. Sewers are designed for flows at depths of 2/3 full.
- c. For sewer pipes flowing at 1/2 full, the minimum velocity will be 2.5 fps.
- d. Mannings roughness coefficient of n=0.013 will be used for sewer pipe hydraulics.

As a general rule, if the flow depth in a sewer main is too low, velocities are slow. Low velocity results in deposits of untreated sewage and long retention times within the pipes. This can result in production of hydrogen sulfide, a toxic gas with an unpleasant odor. If flow depth in the sewer main is too high, there can be lack of oxygen in the pipe. This can also lead to production of hydrogen sulfide in the sewer main and potential releases to the atmosphere. Most of the large diameter sewer lines are made of concrete which is susceptible to corrosion by hydrogen sulfide. The smaller VCP lines are not susceptible. If hydrogen sulfide is produced in the smaller lines, this corrosive gas can travel downstream and corrode the larger concrete lines. For this reason, it is desirable to design all sewer lines to flow about two-thirds full to inhibit the generation hydrogen sulfide gas.

Average flow, usually expressed in million gallons per day (MGD), is the average flow rate during a 7 day period. Peak flow, also expressed in MGD, is the maximum flow rate during a 7 day period and can exceed twice the average flow rate. A pipe is surcharged if it is flowing full. While not necessarily unacceptable, a surcharge condition is undesirable. At full depth pipe flow, the sewage level rises above the top of the pipe and into the manholes. Undesirable effects of a surcharged pipe may include generation of hydrogen sulfide gas, difficulties with cleaning and inspection, restriction to flows from laterals which can cause flow stoppages in the laterals, and possible sewage overflows from manholes onto streets.

At the City's SLOS D, a sewer main may become surcharged but still be rated acceptable, but not recommended. Flows above SLOS E and F require sewer supplements.

Infiltration and inflow (I/I) of rain and ground water into a sewer is a also consideration in design and rehabilitation of sewers. I/I can be caused by inflow from stormwater or

infiltration from groundwater, or both. Stormwater inflow generally enters the sewer at manholes or through private sewer laterals. Groundwater Infiltration enters the sewer through faulty pipe joints, damaged pipes, or damaged manholes. I/I causes an increase in volume that must be treated at the WPCP. The City of San Jose has recorded the water use for the San Jose area and compared these water use records with wastewater flows at the treatment plant. From this comparison, it is generally concluded that the percentage of flow attributable to infiltration has increased from 5-percent in 1982-1991 to 15-percent in the 1990's. As a result, the average daily flow for this evaluation of the Rincon Study Area was increased by 15-percent. This 15-percent factor is consistent with recommendations in Wastewater Engineering Handbooks.

Methodology Used for Sewer Capacity Analysis in Rincon Study Area

The Rincon Study Area was analyzed for five Floor Area Ratio (FAR) scenarios ranging from 0.35 for existing conditions to 1.00 at full buildout. A sewer computer data base was obtained from the City of San Jose (Drawings SS-1 and SS-2). This data base contain sewer pipeline characteristics including size, type and slope. The North San Jose Vacant and Redevelopable Land Date Base was superimposed onto the City's sewer pipeline data base.

Sewer tributary basin areas were then selected which were representative of similar areas in the Rincon Study Area and the area was determined for each selected basin. Basin flows were then calculated by multiplying these basin areas by City Sewage Generation Factors (SGF). The City generally uses SGF's of 0.003 mgd/acre for commercial development and 0.004 mgd/acre for industrial and commercial developments. The calculated basin flows were then doubled to obtain peak flows in accordance with the City's design criteria. Sewage Generation Factors (SGF)were increased in direct proportion to the FAR increase for each scenario evaluated. For example, for a FAR of 0.35 a SGF of 0.003 was used (initial condition). For a FAR of 1.00, a SGF of 0.0114 was used (full buildout).

The SLOS guidelines were followed to evaluate the capacities of the existing sanitary sewer mains. Initially, the capacities and depth of existing flows were compared with the generated flows for each of the five scenarios (see Table B). The generated flows for each scenario were then added to the existing condition (Scenario 1). This procedure was applied to areas typical to the Rincon Study Area.

SLOS D was used as the bench mark to determine if the existing mains had sufficient capacity to carry the increased flows for each FAR scenario. Table B demonstrates that the Original (0.35 FAR), Scenario 1 (0.4 FAR) and Scenarios 2 and 3 (0.5 FAR) would not surcharge the existing sewer mains. However, Scenarios 4 and 5 would surcharge the sewer mains and requires some form of sewer supplement.

To properly evaluate available sewer main capacities, other factors such as Inflow/Inflation rates should be field measured and included in the existing flow determinations. The SGF

scenarios assumed the same I/I. The condition of the pipe and its structural integrity must also be evaluated. Such evaluations are usually accomplished by video-taping inside the pipe. The City of San Jose sewer capacity computer model should also be updated to more accurately represent the existing SLOS. Such verifications were beyond the scope of this report.

Findings:

Table A shows the generated sewer flows (mgd) for the complete Rincon Study Area.

<u>Table B</u> shows the increase in flow for the selected sewer basins and the percent of pipe capacity at peak flow. All calculated flows were for the wet season (rain and high ground water).

Major Sewer Interceptors

James M. Montgomery Consulting Engineers (JMMCE) prepared a Preliminary Design Report for a Fourth major Interceptor in August 1986. The existing and projected flows for the interceptors are shown in <u>Table C</u>. Existing flows for the three existing interceptors, the proposed fourth interceptor, and deficiencies were calculated. It should be noted that these flows were calculated for dry weather conditions which generally do not include Inflow/Infiltration (I/I) components. The deficiencies identified in the JMM Design Report should be adjusted to include I/I contributions. San Jose has experienced about a 3 percent annual growth rate since 1986. However, the WPCP has not experience the 30 percent increase in sewage influent that would be expected. The influent has increased from 120 mgd in 1986 to 133.6 mgd in 1996. The per capita use has actually decreased about 10 per cent the last ten years, mostly due to conservation practices. However, the present influent is approaching a average annual increase of about 10 percent. The JMM study flows should reflect this increase in flows.

In 1983, the City of San Jose Department of Public Works, in conjunction with JMM studied the structural condition of the interceptors. This 1983 study concluded that the Brick Sewer had suffered recession of the mortar between the bricks and could be structurally vulnerable to nearby construction. For this reason, a condition for the approval of nearby development has been to protect the Brick Sewer. The JMM study also concluded that the Brick Interceptor was nearing the end of its useful life and required rehabilitation to extend its longevity. The 60-inch RCP suffers from hydrogen sulfide corrosion throughout its length with two of the worst segments in the area of Highway 237 and 4th Street between Highway 101 and Hedding Street. The Highway 237 segment was replaced in July, 1993 with an 84-inch diameter RCP. The 4th Street segment was rehabilitated by inserting an HDPE liner in 1988. The 84-inch RCP is reportedly in good condition and does not appear to require rehabilitation at this time. The gates and weir slots on all diversion structures are currently operable. Realizing that the capacity of the

entire sewer pipe system is dependent on the flow capacity and structural integrity of the Interceptor system, the City has included upgrades of the Interceptors and construction of a 4th Interceptor in its current five year Sanitary Sewer Capital-Improvement-Plan (CIP). The proposed five year CIP improvements include:

• 1998-99

Construct two 72-inch Interceptors by replacing the 4th Interceptor and the 60- inch Brick Interceptor from Daggett Drive to Trimble Road.

1999

Rehabilitate the 60-inch Brick Interceptor with lining on Zanker Road from the Agnews complex to Daggett Drive.

• 2000

Rehabilitate the 60" RCP Interceptor on Zanker Road from Daggett Drive to Trimble Road.

• 2001

Construct a 60-inch RCP 4thth Interceptor and replace the 60-inch Brick Sewer from Trimble Road to Highway 101.

• 2002

Replace the 60-inch Brick Interceptor from Highway 101 to Taylor Street and rehabilitate this 60-inch RCP from Trimble Road to Bering Drive.

San Jose - Santa Clara Water Pollution Control Plant (WPCP)

The WPCP plant capacity has been upgraded recently to 167 mgd. However, maximum allowable discharge into the San Francisco Bay has been limited to 120 mgd. The WPCP currently experiences peak inflow of 132 mgd. The excess flow will be mitigated by the construction of a pipeline to recycle treated effluent from the WPCP. This recycled treated effluent will be piped for alternative uses.

Conclusion and Recommendation

1. The sewer mains available to serve either the developable or redevelopable lands in the Rincon Study Area would generally have a Level of Service D at full buildout based upon the conceptual analysis performed for this report. However, some sewer supplement may be required (parallel sewer mains) when site specific evaluations are performed for future developments.

To properly evaluate the existing system, the City's computer model together with measurement of sewer flow will be required to verify the model results and to establish the existing level of service.

- 2. Pursuant to the City's Five Year Capital Improvement Plan, the Fourth Interceptor should be constructed in Zanker Road and the 60 inch RCP and Brick Interceptors should be replaced or rehabilitated as proposed.
- 3. The City's Maintenance Program should be augmented to remove settled solids from the collection system, repair damaged sewers, and decrease I/I by pipe lining and repair of joints and manholes.
- 4. The San Jose-Santa Clara Water Pollution Central Plant has reached its currently permitted allowable discharge limit (120 mgd). Completion of the South Bay Water Recycling Program is mandatory.

D. MISCELLANEOUS UTILITY SECTION

DOMESTIC WATER

TELEPHONE

TCI CABLEVISION

ELECTRICITY AND NATURAL GAS

WATER SUPPLY - RINCON STUDY AREA REPORT

DOMESTIC WATER SUPPLY

The potable water service to the Rincon Study Area is provided by the San Jose Water Company (SJWC) and the San Jose Municipal Water System (SJMWS).

SAN JOSE WATER COMPANY

The SJWC service boundaries include areas south of Trimble Road on the eastern side of North First Street and south of Component Drive on the western side of North First Street. The areas in the Rincon Study Area north of these boundaries are served by the SJMWS. These systems are independent of each other (see map Water-1 and 2).

SJWC obtains its water from multiple sources including imported water purchased from SCVWD and from SJWC's groundwater pumping wells. SJWC does not maintain storage reservoirs in the study area. There are 2 pumping stations within the study boundaries. They are located on Charcot Avenue near Coyote Creek and in the northern quadrant of the 101/880 interchange.

The SJWC water distribution mains range in size form 6 to 17 inches. SJWC determines the cost to extend service to undeveloped parcels on a case-by-case basis. Factors considered include distance to supply line, size of supply, construction cost, and engineering cost.

SAN JOSE MUNICIPAL WATER SYSTEM

The water sources for the SJMWS are the Hetch-Hetchy Aqueduct (HHA) and four wells. A second HHA connection has been installed and will be in service by the end of 1997. This new connection will provide up to 10,000 gpm of additional water supply. The existing wells will then be used as back-up to the system.

In the Montague Expressway/Coyote Creek area, water is provided from a 3-million gallon storage reservoir located on Trimble Road close to the Guadalupe River. There are three 3,000 gpm pumps located at the reservoir. A second 3 million gallon reservoir/pump station is currently under construction. Both of these reservoirs are supplied from the HHA.

The SJMWS water supply network consists of an 18 inch pipeline located along N. 1st Street with an extension eastward along Trimble Road. The remainder of the distribution system consists of pipes ranging from 4 to 12 inches. Pipe materials include asbestos

n:\sj0402\eir\supply.doc

WATER SUPPLY - RINCON STUDY AREA REPORT

cement, ductile iron, and techite. Most undeveloped areas have available service stubs nearby.

SJMWS has a worksheet for determining cost to supply water service to a new development. Factors used to determine cost are area of parcel, size and frontage of existing mains, meters required, projected water use (based on building use) as well as water service construction, engineering, and inspection costs.

Both of these water supply companies are able to supply potable water for the proposed scenarios in the Rincon Study Area. The developer will be responsible for costs associated with a water service line to the site if one does not exist.

TELEPHONE

The Rincon Study Area is serviced by Pacific Bell, and other subsidiaries for telephone. Pacific Bell will proceed to develop a 2-acre Central office, install a new wire center, and install new switches as the Rincon Study Area develops. Pacific Bell does not anticipate any problems with supplying telecommunication service to the proposed development.

TCI CABLEVISION

TCI Cablevision of California provides cable television service in the study area south of (approximately) Tasman Drive. In the future, TCI Cablevision of California will offer telephone service and ultra high speed computer links in their service area. Presently, TIC does not have any plans to extend their service area north of Tasman Road. Area which TCI does not service have no cable television service at this time. Currently, this transmission line consist of paired coaxial cable. As lines are added, upgraded, or replaced, fiber-optics cables are used wherever possible.

ELECTRICITY AND NATURAL GAS

Electric power service is provided to the Rincon area by Pacific Gas and Electric (PG&E.). Distribution of electric power to the various facilities is accomplished primarily through underground systems extending through the area from the various high voltage transmission lines. There are several large transmission lines passing though or adjacent to the redevelopment area, including a 115 kilovolt (kv) line running along the easterly side of the Guadalupe River, a 60 kv line running along North Fourth Street, and three 12 kv lines along North First Street, Route 237, and Zanker Road. PG&E also operates an electrical substation located on the west side of North First Street, south of Trimble Road. PG&E

2 n:\sj0402\eir\supply.doc

WATER SUPPLY - RINCON STUDY AREA REPORT

anticipates no problems in meeting the projected demand for electricity within Rincon de los Esteros.

NATURAL GAS

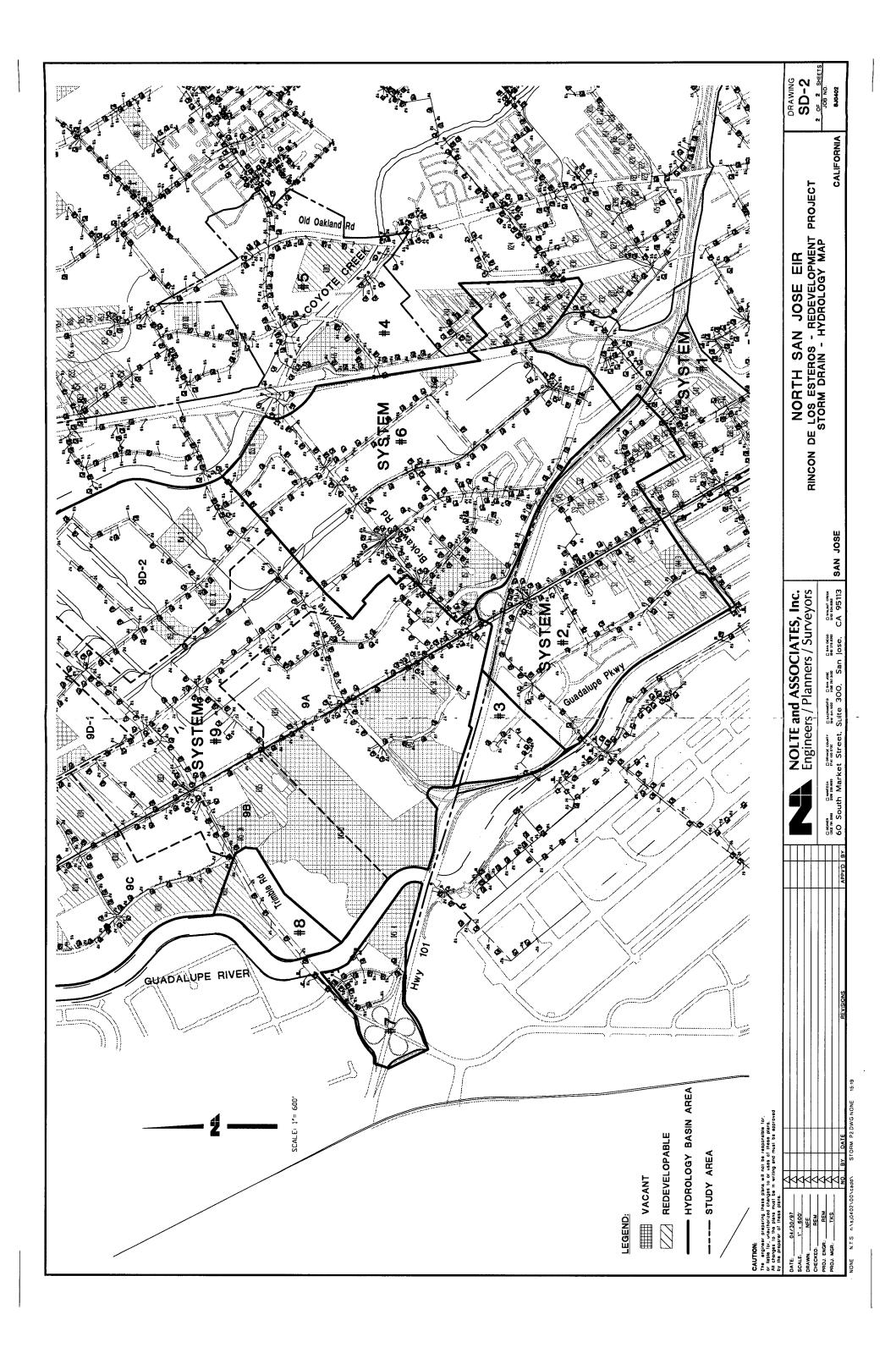
Natural gas service is provided to the redevelopment area by PG&E. Natural gas is distributed to the area through a series of gas distribution lines located within street rights-of-way. The existing underground distribution system will be extended in new roadways and to individual users as development occurs. PG&E foresees no unusual problems in meeting the demand for natural gas in the redevelopment area.

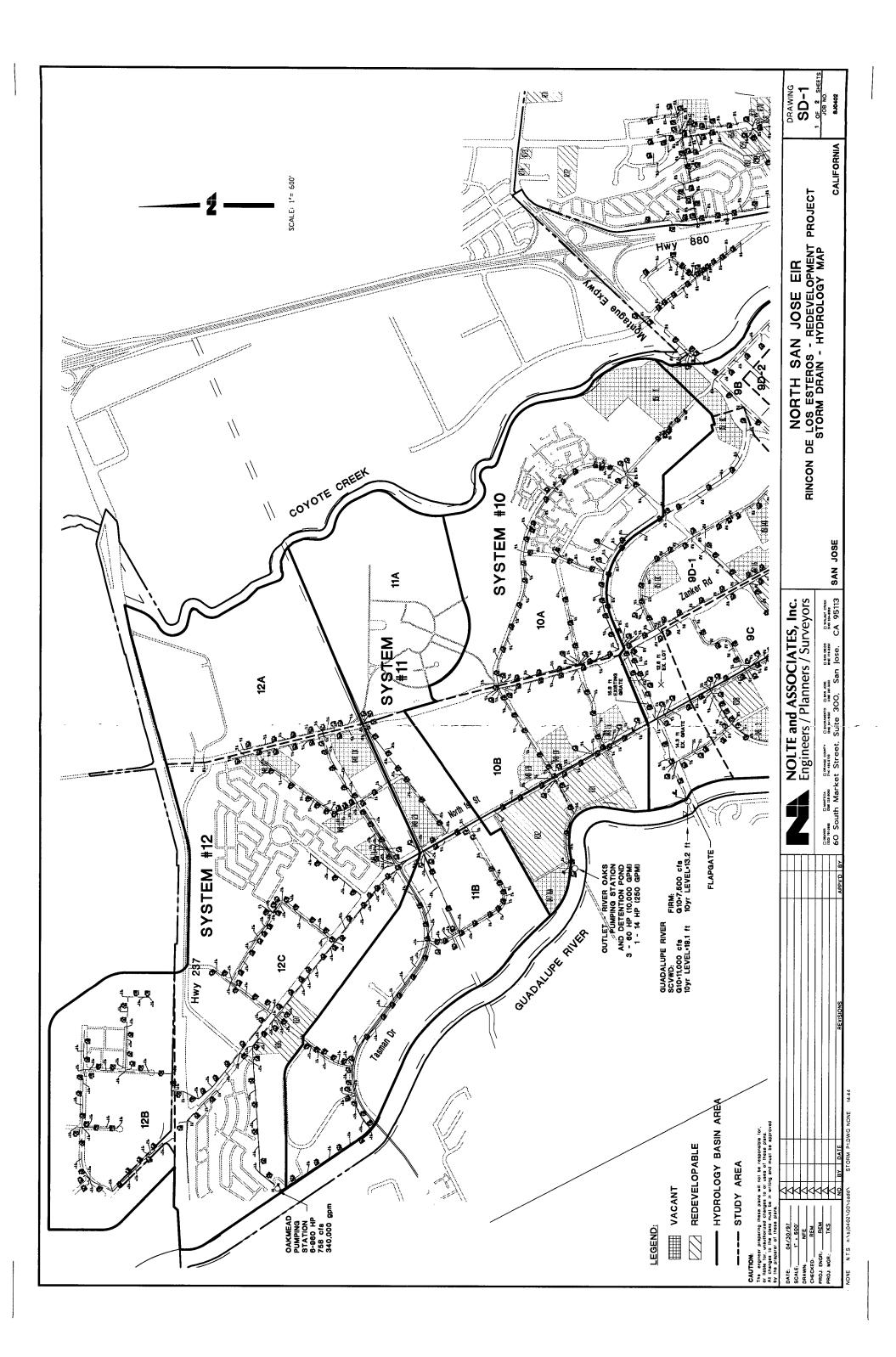
E. DRAWINGS

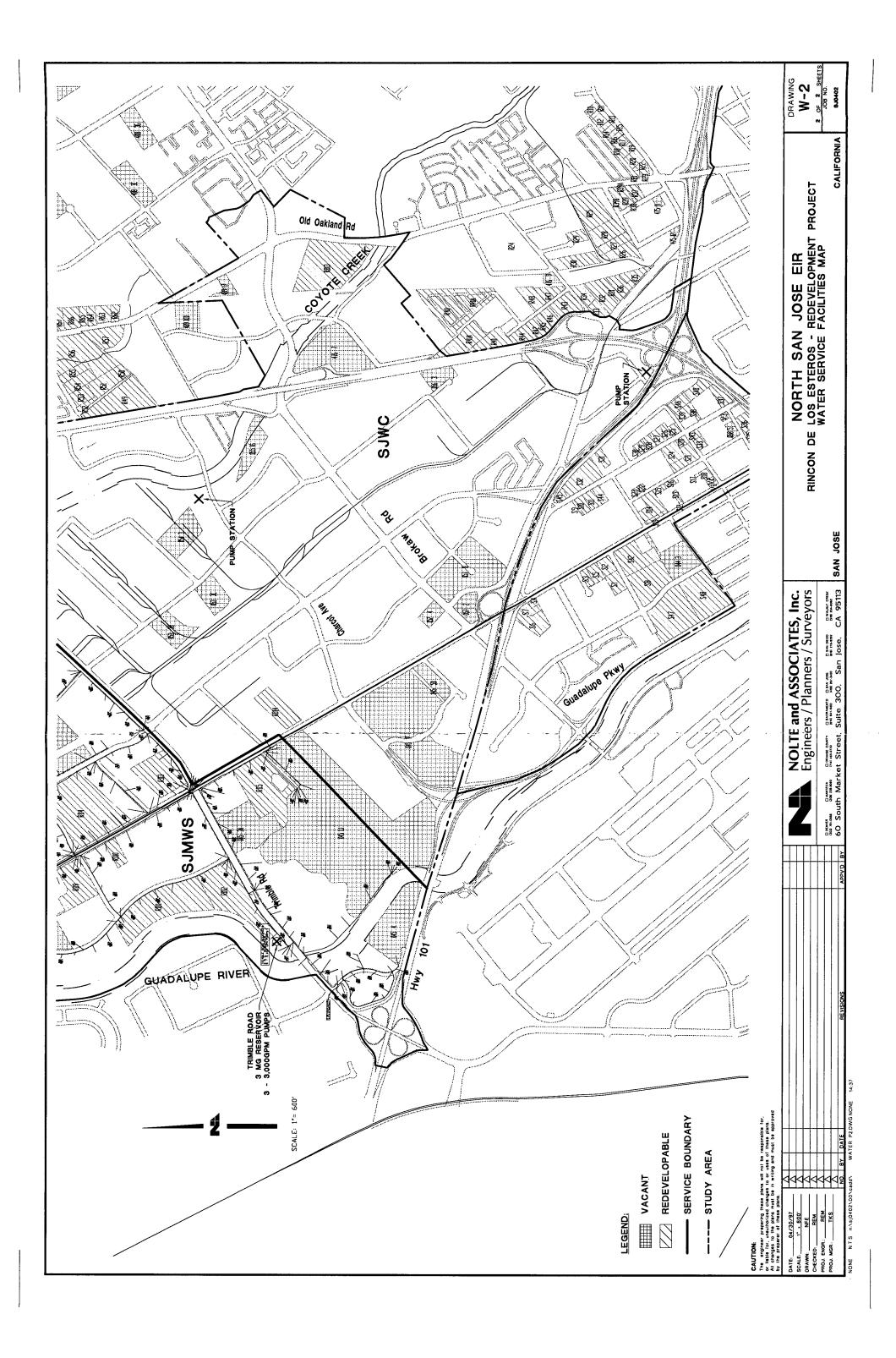
STORM SD-1, SD-2

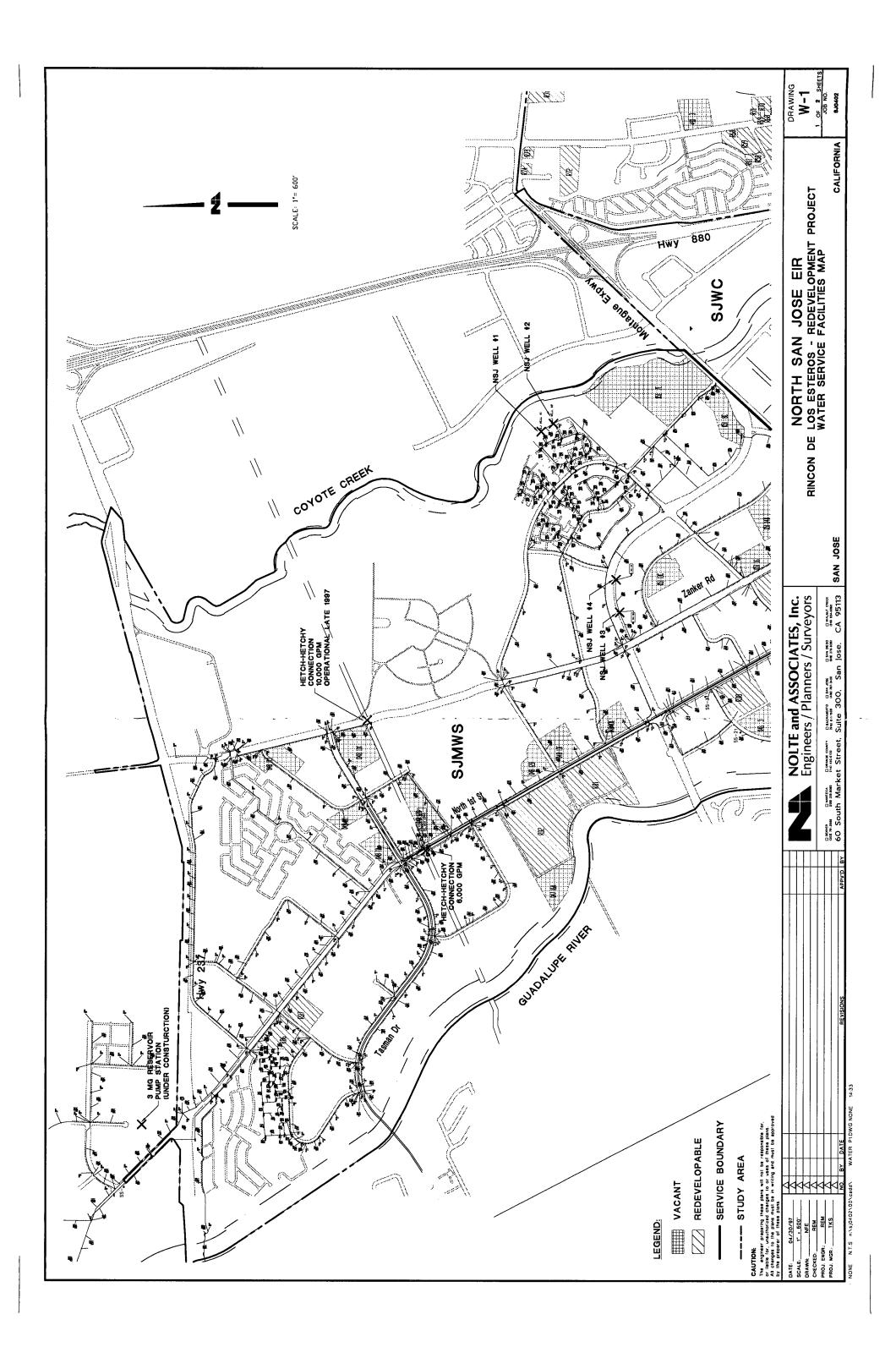
SEWER SS-1, SS-2

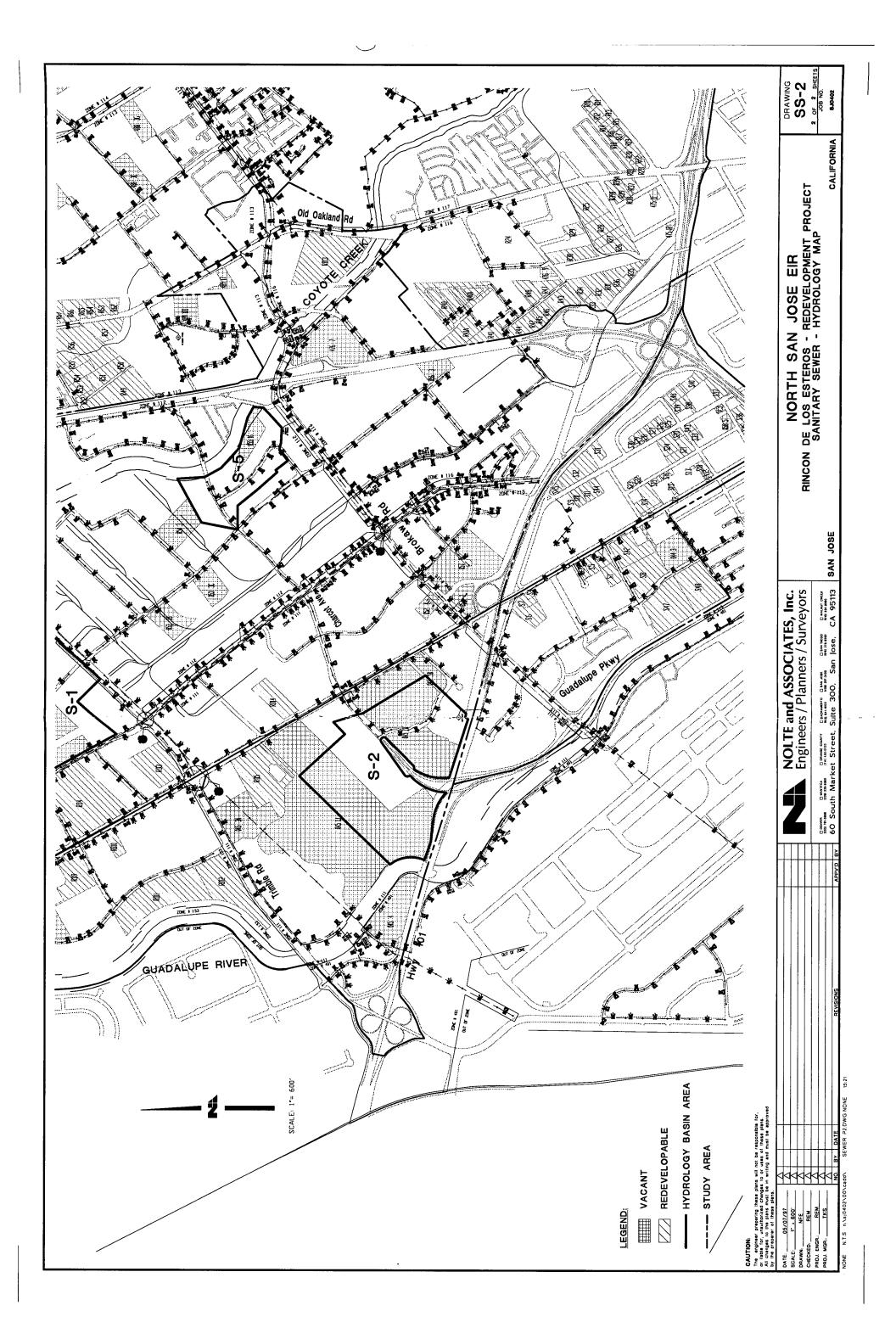
WATER W-1, W-2

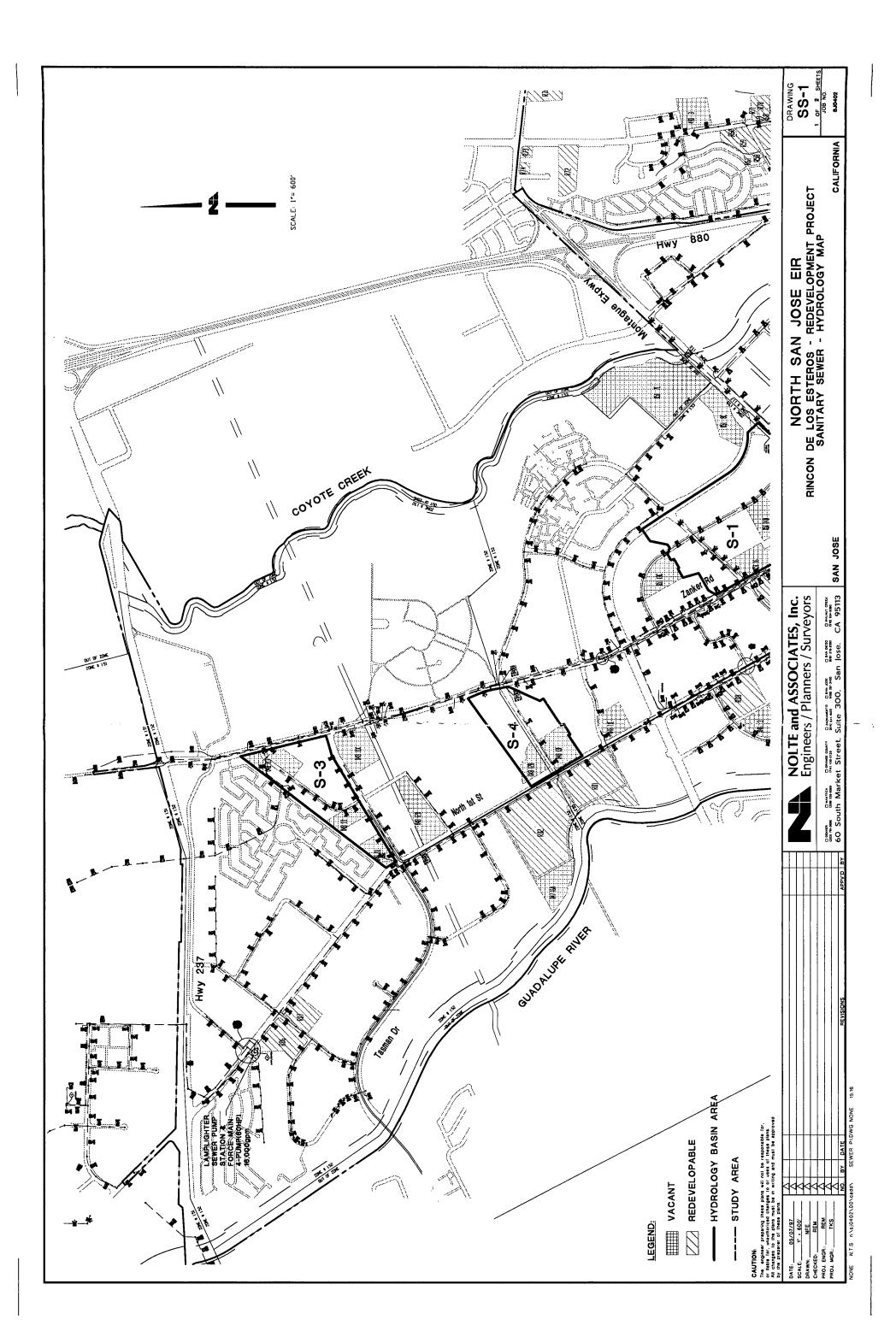












SANITARY SEWER APPENDIX CALCULATIONS FOR SANITARY SEWER FLOWS AND CAPACITY

11:42 AM4/9/97

| TABLE A | SANITARY SEWER MAINS | RINCON STUDY AREA | |
|---------|----------------------|-------------------|--|
| | | | |

| Analysis of s | Analysis of sewage generated by areas of study | ted by are | as of sti | Хþг | | | | | | | | | | | | | | | |
|---------------|--|--------------------|--------------------|--------|----------------|-------------|----------------|---------------|--|---------------|--------------|----------------|---|-------------|------------|------------|--------|----------|--------|
| Sewage | Sewage Generation Factor | Heave Ir | Heavy Industrial | 0003 | 0 003 mod/acre | Generation | factors provi | ded by The | eration factors provided by The City of San Jose | dad | | | | | | | | | |
| | (SGF) | Industr | Industrial Park | 0.003 | 0.003 mgd/acre | For scena | rios other the | an the origin | nal general pi | lan, these fa | ctors were n | nodified usir | For scenarios other than the original general plan, these factors were modified using a direct relationship between the FAR and the SGF | ationship b | etween the | AR and the | e SGF. | | |
| | | General Commercial | nmercial | 0.004 | 0.004 mgd/acre | e.g., at F/ | 1R = 0.35, St | 3F = 0.003r | e.g., at FAR = 0.35, SGF = 0.003mgd, therefore at FAR = 0.70, SGF = 0.006mgd | e at FAR = (| 70, SGF = | 0.006mgd | | | | | | | |
| | | Combined Ind / Com | d / Com | 0.004 | 0.004 mgd/acre | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | <u> </u> | T: | | | | |
| - | NGA | Category | 9 | Acros | FAR | Original | pow | FAR | Scenario 1 | E | FAR | Scenario 2 / 3 | C) | EAR _ | Scenario 4 | - Pob | FAR | Scenario | mad |
| RD1 | 9706032 | 2 | <u>-</u> | 18.45 | 0.35 | 0:0030 | | 0.40 | 0.0034 | 0.0633 | 0.50 | 0.0043 | 0.0791 | 0.70 | 0.0060 | 0.1107 | 0.85 | 0.0073 | 0.1344 |
| 047 16A | 9706037 | > | ď | 6.88 | 0.35 | 0.0030 | L | 0.40 | 0.0034 | 0.0236 | 0.50 | 0.0043 | 0.0295 | 0.70 | 0.0060 | 0.0413 | 0.70 | 0.0060 | 0.0413 |
| RD2 | 9706039 | œ | <u>a</u> | 32.60 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.1118 | 0.50 | 0.0043 | 0.1397 | 0.70 | 0900'0 | 0.1956 | 0.85 | 0.0073 | 0.2375 |
| 048 111 | 9707032 | > | <u>a</u> | 3.50 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0120 | 0.50 | 0.0043 | 0.0150 | 0.70 | 0900'0 | 0.0210 | 0.70 | 0900.0 | 0.0210 |
| 048 11L | 9707034 | > | <u>a</u> 9 | 3.86 | 0.35 | 0.0030 | _ | 0.40 | 0.0034 | 0.0132 | 0.50 | 0.0043 | 0.0165 | 0.70 | 0.0060 | 0.0231 | 0.85 | 0.0073 | 0.0281 |
| 048 12D | 9707040 | > > | <u>ء</u> 5 | 9.27 | C. O. S | 0.0030 | 0.0278 | 0.40 | 0.0034 | 0.0318 | 0.50 | 0.0043 | 0.0387 | 0.0 | 0.0000 | 0.0000 | 0.00 | 0.0073 | 0.00/0 |
| 048 11K | 9707056 | > | <u>∟</u> | 9.31 | 0.35 | 0:0030 | 0.0279 | 0.40 | 0.0034 | 0.0319 | 0.50 | 0.0043 | 0.0399 | 0.70 | 0.0060 | 0.0559 | 0.70 | 0.0060 | 0.0559 |
| 048 13F | 9709031 | > | <u>a</u> | 6.74 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0231 | 0.50 | 0.0043 | 0.0289 | 0.70 | 0900.0 | 0.0404 | 0.85 | 0.0073 | 0.0491 |
| 048 13E | 9709037 | > | ₾ | 5.14 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0176 | 0.50 | 0.0043 | 0.0220 | 0.70 | 0900'0 | 0.0309 | 0.85 | 0.0073 | 0.0375 |
| RD3 | 9713054 | œ | ۵ | 9.15 | 0.35 | 0:0030 | | 0.40 | 0.0034 | 0.0314 | 0.50 | 0.0043 | 0.0392 | 0.70 | 0900'0 | 0.0549 | 0.85 | 0.0073 | 0.0667 |
| RD4 | 9713075 | œ | ۵ | 22.94 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0787 | 0.50 | 0.0043 | 0.0983 | 0.70 | 0900.0 | 0.1376 | 0.85 | 0.0073 | 0.1671 |
| R77 | 9714057 | > : | <u>a</u> (| 19.85 | 0.35 | 0.0030 | 4 | 0.40 | 0.0034 | 0.0681 | 0.50 | 0.0043 | 0.0851 | 0.70 | 09000 | 0.1191 | 0.70 | 0.0060 | 0.1191 |
| 051 13C | 9714061 | > | <u>_</u> | 6.34 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0217 | 0.50 | 0.0043 | 0.0272 | 0.70 | 0.0060 | 0.0380 | 0.70 | 0.0060 | 0.0380 |
| 051 14D | 9714075 | > | <u>a</u> | 6.94 | 0.35 | 0.0030 | _ | 0.40 | 0.0034 | 0.0238 | 0.50 | 0.0043 | 0.0297 | 0.70 | 0.0060 | 0.0416 | 0.70 | 0.0060 | 0.0416 |
| 051 7E | 9715030 | > | ا م | 32.71 | 0.35 | 0.0030 | | 0.35 | 0.0030 | 0.0981 | 0.50 | 0.0043 | 0.1402 | 0.70 | 09000 | 0.1963 | 0.70 | 0.0060 | 0.1963 |
| 045 4 | 9725051 | > | <u>a</u> <u>c</u> | 14.69 | 0.35 | 0.0030 | 0.0441 | 0.35 | 0.0030 | 0.0441 | 0.50 | 0.0043 | 0.0630 | 0.70 | 09000 | 0.0881 | 0.70 | 0.0060 | 0.0881 |
| 045 1.1 | 9745021 | > > | <u>.</u> 0 | 104 40 | 0.35 | 0.0030 | 1 | 0.40 | 0.0034 | 0.3579 | 0.50 | 0.0043 | 0.474 | 070 | 0.0000 | 0.6264 | 0.85 | 0.0073 | 0.7606 |
| RD5 | 9745023 | · œ | <u>.</u> | 14.23 | 0.35 | 0.0030 | Ļ | 0.40 | 0.0034 | 0.0488 | 0.50 | 0.0043 | 0.0610 | 0.70 | 09000 | 0.0854 | 0.85 | 0.0073 | 0.1037 |
| RD6 | 9752013 | œ | <u>a</u> | 7.51 | 0.35 | 0.0030 | L | 0.35 | 0.0030 | 0.0225 | 0.50 | 0.0043 | 0.0322 | 0.70 | 0900'0 | 0.0451 | 0.85 | 0.0073 | 0.0547 |
| RD7 | 9753006 | œ | <u>a</u> | 5.26 | 0.35 | 0.0030 | | 0.35 | 0:0030 | 0.0158 | 0.50 | 0.0043 | 0.0225 | 0.70 | 0900'0 | 0.0316 | 0.85 | 0.0073 | 0.0383 |
| RD8 | 9756003 | œ | <u>a</u> | 9.24 | 0.35 | 0:0030 | _ | 0.40 | 0.0034 | 0.0317 | 0.50 | 0.0043 | 0.0396 | 0.70 | 0900.0 | 0.0554 | 0.85 | 0.0073 | 0.0673 |
| RD9 | 9756005 | œ : | ا ھ | 8.24 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0283 | 0.50 | 0.0043 | 0.0353 | 0.70 | 0.0060 | 0.0494 | 0.85 | 0.0073 | 0.0600 |
| 0463 | 9756008 | > a | <u>a.</u> <u>a</u> | 6.05 | 0.35 | 0.0030 | 0.0181 | 0.40 | 0.0034 | 0.0207 | 0.50 | 0.0043 | 0.0259 | 0.70 | 0.0060 | 0.0363 | 0.85 | 0.0073 | 0.0440 |
| RD11 | 9758001 | 2 2 | <u>a</u> | 18.50 | 0.35 | 0:0030 | | 0.40 | 0.0034 | 0.0634 | 0.50 | 0.0043 | 0.0793 | 0.70 | 09000 | 0.1110 | 0.70 | 09000 | 0.1110 |
| RD12 | 9758003 | œ | <u>a</u> | 15.18 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.0520 | 0.50 | 0.0043 | 0.0651 | 0.70 | 0.0060 | 0.0911 | 0.70 | 0.0060 | 0.0911 |
| 045 5B | 9760007 | > | ၁၁ | 4.45 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0203 | 0.50 | 0.0057 | 0.0254 | 0.70 | 0.0080 | 0.0356 | 0.85 | 0.0097 | 0.0432 |
| 045 1F | 9760008 | > | <u>a</u> | 42.05 | 0.35 | 0.0030 | | 0.40 | 0.0034 | 0.1442 | 0.50 | 0.0043 | 0.1802 | 0.70 | 0.0060 | 0.2523 | 0.85 | 0.0073 | 0.3064 |
| 051 8C | 9766002 | > 0 | 2 ح | 11 33 | 0.35 | 0.0030 | 0.0262 | 0.35 | 0.0030 | 0.0262 | 0.50 | 0.0043 | 0.0374 | 0.70 | 0.0060 | 0.0523 | 0.70 | 0.0060 | 0.0523 |
| 848 | 23029075 | 2 02 | ဥ | 9.64 | 0.35 | 0.0040 | - | 0.40 | 0.0046 | 0.0441 | 0.50 | 0.0057 | 0.0551 | 0.70 | 0.0080 | 0.0771 | 9 | 0.0114 | 0.1102 |
| S43 | 23005007 | œ | ည္ပ | 0.57 | 0.35 | 0.0040 | 0.0023 | 0.40 | 0.0046 | 0.0026 | 0.50 | 0.0057 | 0.0033 | 0.70 | 0.0080 | 0.0046 | 0.85 | 0.0097 | 0.0055 |
| S1 | 23029017 | œ | Sic | 1.97 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0090 | 0.50 | 0.0057 | 0.0113 | 0.70 | 0.0080 | 0.0158 | 0.85 | 0.0097 | 0.0191 |
| S2 | 23029018 | œ | ည | 1.67 | 0.35 | 0.0040 | \perp | 0.40 | 0.0046 | 0.0076 | 0.50 | 0.0057 | 0.0095 | 0.70 | 0.0080 | 0.0134 | 0.85 | 0.0097 | 0.0162 |
| 83 | 23029022 | ۱ | ည | 0.87 | 0.35 | 0.0040 | 4 | 0.40 | 0.0046 | 0.0040 | 0.50 | 0.0057 | 0.0050 | 0.70 | 0.0080 | 0.0070 | 0.85 | 0.0097 | 0.0085 |
| 75 | 23029026 | ۱ ک | ည္ | 0.40 | 0.35 | 0.0040 | 1 | 0.40 | 0.0046 | 0.0018 | 0.50 | 0.0057 | 0.0023 | 0.70 | 0.0080 | 0.0032 | 0.85 | 0.0097 | 0.0039 |
| SS | 23029034 | 2 0 | 2 6 | 1.46 | 0.35 | 0.0040 | 4 | 0.40 | 0.0046 | 0.0067 | 00.00 | 0.0057 | 0.0083 | 0.70 | 0.0080 | 71100 | 0.85 | 0.0097 | 0.0142 |
| 88 | 23029041 | r (| 2 6 | 3.37 | 0.35 | 0.0040 | 1 | 0.40 | 0.0046 | 0.0154 | 0.50 | 0.0057 | 0.0193 | 0.70 | 0.0080 | 0.0270 | 0.83 | 0.0097 | 0.0327 |
| 57 | 23029042 | ۲ > | 2 2 | 6.58 | 0.35 | 0.0040 | 0.0047 | 0.40 | 0.0046 | 0.0054 | 0.50 | 0.0057 | 0.0376 | 0.70 | 0.0080 | 0.0034 | 0.85 | 0.0097 | 0.0639 |
| 288 | 23029057 | ٣ | ၁၁ | 7.45 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0341 | 0.50 | 0.0057 | 0.0426 | 0.70 | 0.0080 | 0.0596 | 0.85 | 0.0097 | 0.0724 |
| S42 | 23029085 | œ | ၁၂၁ | 5.87 | 0.35 | 0.0040 | 0.0235 | 0.40 | 0.0046 | 0.0268 | 0.50 | 0.0057 | 0.0335 | 0.70 | 0.0080 | 0.0470 | 0.85 | 0.0097 | 0.0570 |
| 68 | 23501002 | œ | ၁၁ | 0.29 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0013 | 0.50 | 0.0057 | 0.0017 | 0.70 | 0.0080 | 0.0023 | 0.85 | 0.0097 | 0.0028 |
| S10 | 23501003 | œ | SIC | 1.19 | 0.35 | 0.0040 | 0.0044 | 0.40 | 0.0046 | 0.0050 | 0.50 | 0.0057 | 0.0063 | 0.70 | 0.0080 | 0.0088 | 0.85 | 0.0097 | 0.0107 |

| | | | L | | | Original | | | Scenario 1 | | | Scenario 273 | 9 | | Scenario 4 | | , | Scenario 5 | |
|--------------------------|------------------------------------|----------------|----------|--------|-------|----------|------------|------|------------|--------|------|--------------|--------|------|------------|---------|------|------------|--------|
| <u>a</u> | APN | Category | 솅 | Acres | FAR | SGF | | FAR | SGF | mad | | SGF | pbu | | SGF | pgm | FAR | SGF | mgd |
| S11 | 23501004 | œ | ၁၁ | 1.42 | | 0.0040 | | 0.40 | 0.0046 | 0.0065 | | 0.0057 | 0.0081 | 0.70 | 0.0080 | 0.0114 | 0.85 | 0.0097 | 0.0138 |
| 244 | 23501005 | œ : | ၁၁ | 0.93 | | 0.0040 | | 0.40 | 0.0046 | 0.0043 | | 0.0057 | 0.0053 | 0.70 | 0.0080 | 0.0074 | 0.85 | 0.0097 | 0.0000 |
| 7 | 23502001 | > | 200 | 0.30 | | 0.0040 | | 0.40 | 0.0046 | 0.0014 | 0.50 | 0.0057 | 0.0017 | 0.70 | 0.0080 | 0.0024 | 0.85 | 0.0097 | 0.0029 |
| 200 | 23202002 | > | 2 | 0.21 | 0.35 | 0.0040 | _ | 0.40 | 0.0046 | 0.0010 | ٥ | 0.0057 | 0.0012 | 0.70 | 0.0080 | 0.0017 | 0.85 | 0.0097 | 0.0020 |
| 512 | 23502009 | 2 | ည္ဆ | 0.08 | | 0.0040 | _ | 0.40 | 0.0046 | 0.0004 | | 0.0057 | 0.0005 | 0.70 | 0.0080 | 0.0006 | 0.85 | 0.0097 | 0.0008 |
| 814 | 23502010 | ב מ | ۽ د | 0.35 | 0.35 | 0.0040 | 4100.0 | 9.0 | 0.0046 | 0.0016 | 0.50 | 0.0057 | 0.0020 | 0.70 | 0.0080 | 0.0028 | 0.85 | 0.0097 | 4500.0 |
| S15 | 23502014 | 2 0 | 3 5 | 0.50 | C. C. | 0.000 | <u> </u> . | 2 0 | 0.0046 | 0.0130 | | 0.0037 | 0.000 | 0.0 | 0.0000 | 0.0230 | 0.0 | 0.0097 | 0.0209 |
| S16 | 23502017 | 2 02 | ဥ္သ | 0.57 | 0.35 | 0.0040 | <u> </u> | 0.40 | 0.0046 | 0.0026 | | 0.0057 | 0.0033 | 0.0 | 0.0080 | 0.0040 | 0.85 | 0.0097 | 0.0055 |
| S17 | 23502024 | œ | ည္ပ | 60:0 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0004 | | 0.0057 | 0.0005 | 0.70 | 0.0080 | 0.0007 | 0.85 | 0.0097 | 0.000 |
| 818 | 23502025 | ď | CIC | 0.64 | 0.35 | 0.0040 | L | 0.40 | 0.0046 | 0.0029 | | 0.0057 | 0.0037 | 0.70 | 0.0080 | 0.0051 | 0.85 | 0.0097 | 0.0062 |
| S19 | 23502026 | œ | CIC | 0.53 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0024 | | 0.0057 | 0.0030 | 0.70 | 0.0080 | 0.0042 | 0.85 | 0.0097 | 0.0051 |
| S20 | 23503001 | œ | ၁၁ | 0.65 | 0.35 | 0.0040 | 0.0026 | 0.40 | 0.0046 | 0.0030 | | 0.0057 | 0.0037 | 0.70 | 0.0080 | 0.0052 | 0.85 | 0.0097 | 0.0063 |
| S21 | 23503002 | œ | ပျင | 2.51 | 0.35 | 0.0040 | 0.0100 | 0.40 | 0.0046 | 0.0115 | | 0.0057 | 0.0143 | 0.70 | 0.0080 | 0.0201 | 0.85 | 0.0097 | 0.0244 |
| S22 | 23503006 | ĸ | CIC | 0.29 | | 0.0040 | 0.0012 | 0.40 | 0.0046 | 0.0013 | 0.50 | 0.0057 | 0.0017 | 0.70 | 0.0080 | 0.0023 | 0.85 | 0.0097 | 0.0028 |
| S23 | 23503007 | ч | CIC | 0.22 | | 0.0040 | L | 0.40 | 0.0046 | 0.0010 | | 0.0057 | 0.0013 | 0.70 | 0.0080 | 0.0018 | 0.85 | 0.0097 | 0.0021 |
| S24 | 23503013 | œ | ၁ | 2.15 | 0.35 | 0.0040 | 0.0086 | 0.40 | 0.0046 | 0.0098 | | 0.0057 | 0.0123 | 0.70 | 0.0080 | 0.0172 | 0.85 | 0.0097 | 0.0209 |
| S25 | 23504002 | ч | CIC | 0.70 | | 0.0040 | 0.0028 | 0.40 | 0.0046 | 0.0032 | 0.50 | 0.0057 | 0.0040 | 0.70 | 0.0080 | 0.0056 | 1.00 | 0.0114 | 0.0080 |
| S26 | 23504003 | ч | CIC | · 0.62 | 0.35 | 0.0040 | 0.0025 | 0.40 | 0.0046 | 0.0028 | 0.50 | 0.0057 | 0.0035 | 0.70 | 0.0080 | 0.0050 | 1.00 | 0.0114 | 0.0071 |
| S27 | 23504004 | ď | CIC | 1.25 | | 0.0040 | 0.0050 | 0.40 | 0.0046 | 0.0057 | 0.50 | 0.0057 | 0.0071 | 0.70 | 0.0080 | 0.0100 | 1.00 | 0.0114 | 0.0143 |
| 828 | 23504005 | ۳ | ၁၂၁ | 0.77 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0035 | | 0.0057 | 0.0044 | 0.70 | 0.0080 | 0.0062 | 1.00 | 0.0114 | 0.0088 |
| S29 | 23504006 | œ | Sic | 0.44 | 0.35 | 0.0040 | 0.0018 | 0.40 | 0.0046 | 0.0020 | | 0.0057 | 0.0025 | 0.70 | 0.0080 | 0.0035 | 1.00 | 0.0114 | 0.0050 |
| 830 | 23504007 | ĸ | Sic | 0.55 | | 0.0040 | | 0.40 | 0.0046 | 0.0025 | | 0.0057 | 0.0031 | 0.70 | 0.0080 | 0.0044 | 1.00 | 0.0114 | 0.0063 |
| S31 | 23504012 | ď | CIC | 96.0 | | 0.0040 | | 0.40 | 0.0046 | 0.0044 | | 0.0057 | 0.0055 | 0.70 | 0.0080 | 0.0077 | 1.00 | 0.0114 | 0.0110 |
| S32 | 23504014 | œ | ၁၁ | 4.97 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0227 | - | 0.0057 | 0.0284 | 0.70 | 0.0080 | 0.0398 | .0 | 0.0114 | 0.0568 |
| S45 | 23504015 | œ | ပ္ပ | 0.74 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0034 | i | 0.0057 | 0.0042 | 0.70 | 0.0080 | 0.0059 | 1.00 | 0.0114 | 0.0085 |
| 833 | 23505006 | œ | ပ္ပ | 0.72 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0033 | | 0.0057 | 0.0041 | 0.70 | 0.0080 | 0.0058 | 0.85 | 0.0097 | 0.0070 |
| ۸3 | 23505009 | > | ပ္ပ | 0.42 | 0.35 | 0.0040 | _ | 0.40 | 0.0046 | 0.0019 | 0.50 | 0.0057 | 0.0024 | 0.70 | 0.0080 | 0.0034 | 0.85 | 2600.0 | 0.0041 |
| 058 5 | 23505010 | > | ပ္ပ | 0.90 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0041 | 0.50 | 0.0057 | 0.0051 | 0.70 | 0.0080 | 0.0072 | 0.85 | 0.0097 | 0.0088 |
| S34 | 23505014 | œ | ည | 0.62 | 0.35 | 0.0040 | 4 | 0.40 | 0.0046 | 0.0028 | 0.50 | 0.0057 | 0.0035 | 0.70 | 0.0080 | 0.0050 | 0.85 | 0.0097 | 0.0060 |
| S35 | 23505015 | اعم | ၁၂၁ | 0.93 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0043 | 0.50 | 0.0057 | 0.0053 | 0.70 | 0.0080 | 0.0074 | 0.85 | 0.0097 | 0.0000 |
| S36 | 23505016 | ا ک | သူ | 1.81 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0083 | 0.50 | 0.0057 | 0.0103 | 0.70 | 0.0080 | 0.0145 | 0.85 | 0.0097 | 0.0176 |
| 83/ | 23505018 | Y (| 200 | 1.61 | 0.35 | 0.0040 | 1 | 0.40 | 0.0046 | 0.0074 | 0.50 | 0.0057 | 0.0092 | 0.70 | 0.0080 | 0.0129 | 1.00 | 0.0114 | 0.0184 |
| 8238 | 23505022 | × (| 200 | 0.49 | 0.35 | 0.0040 | | 0.40 | 0.0046 | 0.0022 | 0.50 | 0.0057 | 0.0028 | 0.70 | 0.0080 | 0.0039 | 1.00 | 0.0114 | 0.0056 |
| 839 | 23505025 | × 0 | 2 2 | 1.16 | 0.35 | 0.0040 | \perp | 0.40 | 0.0046 | 0.0053 | 0.50 | 0.0057 | 0.0066 | 0.70 | 0.0080 | 0.0093 | 1.00 | 0.0114 | 0.0133 |
| 040 | 23202020 | ۵ م | ع د | 00. | 0.30 | 0.0040 | 0.0002 | 0.40 | 0.0046 | 0.000 | 0.30 | 0.0007 | 0.0089 | 0.70 | 0.0080 | 0.0124 | 30.5 | 0.0114 | 7/100 |
| 240 | 23203033 | < > | 3 = | 1 79 | 0.35 | 0.0040 | 0.0000 | 0.40 | 0.0030 | 0.0088 | 0.50 | 0.000 | 2210.0 | 0.70 | 0.0080 | 0.0171 | 0.10 | 0.0114 | 0.0245 |
| RD13 | 23703060 | ~ | Ē | 18.59 | 0.35 | 0:0030 | 0.0558 | 0.35 | 0.0030 | 0.0558 | 0.50 | 0.0043 | 0.0797 | 0.70 | 09000 | 0.1115 | 0.70 | 0.0060 | 0.010 |
| 4767 | 23705050 | > | Ξ | 15.79 | | 0.0030 | | 0.35 | 0.0030 | 0.0474 | 0.50 | 0.0043 | 0.0677 | 0.70 | 0900.0 | 0.0947 | 0.70 | 09000 | 0.0947 |
| 057 1F | 23716072 | ^ | Ы | 16.75 | | 0.0030 | | 0.40 | 0.0034 | 0.0574 | 0.50 | 0.0043 | 0.0718 | 0.70 | 0900.0 | 0.1005 | 0.85 | 0.0073 | 0.1220 |
| 057 2 | 23716073 | > | ည | 3.27 | 0.35 | 0.0040 | 0.0131 | 0.40 | 0.0046 | 0.0149 | 0.50 | 0.0057 | 0.0187 | 0.70 | 0.0080 | 0.0261 | 0.85 | 0.0097 | 0.0317 |
| 052 4 | 23717168 | > : | ا ۵ | 2.41 | 0.35 | 0.0030 | 0.0072 | 0.40 | 0.0034 | 0.0083 | 0.50 | 0.0043 | 0.0103 | 0.70 | 0.0060 | 0.0145 | 0.85 | 0.0073 | 0.0176 |
| 054 3 | 23/18054 | > > | 2 2 | 54.7 | 0.35 | 0.0030 | 0.0223 | 0.35 | 0.0030 | 0.0223 | 0.50 | 0.0043 | 0.0318 | 0.70 | 0.0060 | 0.0446 | 0.70 | 0.0060 | 0.0446 |
| 91 050 | 23724170 | > > | <u> </u> | 20.00 | 0.30 | 0.0030 | 0.0161 | 0.35 | 0.0030 | 1910.0 | 0.50 | 0.0043 | 0.0237 | 0.70 | 0.0060 | 0.0323 | 0.70 | 0.0060 | 0.0323 |
| 000 | 23722065 | > 0 | 2 0 | 000 | 0.33 | 0.0040 | 0.0033 | 0.33 | 0.0040 | 0.0000 | 0.00 | 0.0037 | 0.0078 | 0.70 | 0.0080 | 0.01.10 | 0.70 | 0.0080 | 0.0170 |
| ND 14 | 23728046 | z > | ٩ | 532 | 0.35 | 0.0030 | 0.0157 | 0.40 | 0.0030 | 0.0178 | 0.00 | 2000 | 0.0224 | 0.70 | 0.0000 | 0.0314 | 0.83 | 0.0073 | 0.0381 |
| 053 30 | 23728046 | > > | . 0 | 4 92 | 0.35 | 0.0030 | 0.0100 | 35.0 | 0.0030 | 0.0100 | | 0.0043 | 0.0220 | 0.70 | 0.000 | 0.0018 | 0.70 | 0.0000 | 0.05 |
| 200 | 200 | • | - | 10.1 | 3 | 2000 | 2 | 3 | 2000 | 200 | | 2 | 70.0 | 2 | 0.000 | 0.0293 | 2 | 0.000 | C870.0 |
| TOTAL | | | | 650.38 | | | 2.0518 | | | 2.2892 | | | 2.9311 | | | 4.1035 | | | 4.7804 |
| TATABOOD | INCOEASEED | MICIGO MC | - | | | | 6 | | | 44.6 | | | 0 67 | | | 000 | | | 1 |
| PERCENIAGE PERCENIAGE | PERCENTAGE INCREASE TROIN ORIGINAL | EAS LISTE | Į. | | | | 0.0 | | | 0. | | | 47.3 | | | 100.0 | | | 133.0 |
| GENERALI | AIN 1 CIX 111 TO 1 | וניים וניים | إ | | | | | | | | | | | - | | | | |] |

TABLE B SANITARY SEWER MAINS RINCON STUDY AREA

| Area | Scenario | Portion of | Average | Peak Flow | Infiltration | Peak + | Pipe Size | Pipe Slope | Pipe | % Full | SLOS |
|------------|----------|-------------|---------|-----------|--------------|----------|-----------|------------|-------------|---------|------|
| | | Area | Flow | (cfs) | Inflow | Inflow | at Main | | Capacity | at Peak | |
| | | Redeveloped | (cfs) | | (15%) | (cfs) | | ŀ | full (cfs) | Flow | |
| | | | | | (cfs) | <u> </u> | | | () | | |
| | | | | | , | | | (Est.) | | | |
| 50B | Original | 14% | 0.46 | 0.92 | 0.14 | 1.06 | | .0035 | 1.28 | | |
| S-1 (map) | 1 | | 0.48 | 0.96 | 0.14 | 1.10 | | | | 86 | D |
| (100 2c) | 2/3 | | 0.52 | 1.04 | 0.16 | | | | | 94 | D |
| | 4 | | 0.59 | 1.18 | 0.18 | 1.36 | | | | 106 | - |
| <u> </u> | 5 | .= | 0.59 | 1.18 | 0.18 | 1.36 | | | | 106 | - |
| | | | | | | | | (Est.) | | | |
| 50B | Original | 60% | 0.49 | 0.98 | 0.15 | 1.13 | 10" | .0035 | 1.28 | 88 | D |
| S-2 (map) | 1 | | 0.51 | 1.02 | 0.15 | 1.17 | | | | 91 | |
| (105 ac) | 2/3 | | 0.59 | 1.18 | 0.18 | 1.36 | | | | 106 | |
| , | 4 | | 0.79 | 1.58 | 0.24 | 1.80 | | | | 142 | |
| | 5 | | 0.88 | 1.76 | 0.26 | 2.02 | | | | 158 | - |
| | | | | | | | | | | | |
| S-3 (Maps | | | | | | | | | | | |
| 35A, B, C) | Original | 42% | 0.20 | 0.40 | 0.06 | 0.46 | 8" | .0030 | 0.67 | 67 | D |
| | 1 | | 0.22 | 0.44 | 0.07 | 0.51 | | | | 76 | |
| (44 ac) | 2/3 | | 0.24 | 0.48 | 0.08 | 0.55 | | | | 82 | D |
| , , | 4 | | 0.30 | 0.60 | 0.09 | 0.69 | | | | 103 | |
| | 5 | | 0.30 | 0.60 | 0.09 | 0.69 | | | | 103 | |
| | | | | | | _ | | | | | |
| S-4 (maps | | | | | | | | | | | |
| 35C,D) | Original | 19% | 0.17 | 0.34 | 0.05 | 0.39 | 8" | .0050 | 0.87 | 45 | |
| | 1 | | 0.17 | 0.34 | 0.05 | 0.39 | | | | 45 | |
| (36 ac) | 2/3 | | 0.18 | 0.36 | 0.05 | 0.41 | | | | 47 | |
| | 4 | | 0.20 | 0.40 | 0.06 | 0.46 | | | | 53 | |
| | 5 | | 0.21 | 0.42 | 0.06 | 0.48 | | | | 55 | D |
| S-5 | Original | 13% | 0.19 | 0.38 | 0.06 | 0.44 | 8" | 0.0086 | 1.14 | 39 | |
| Maps | 1 | | 0.19 | 0.38 | 0.06 | 0.44 | | | | 39 | |
| 50 B,C | 2/3 | | 0.20 | 0.4 | 0.06 | 0.46 | | | | 40 | |
| 51 A,C | 4 | | 0.21 | 0.42 | 0.06 | 0.48 | | | | 42 | |
| 40 A,C | 5 | | 0.21 | 0.42 | 0.06 | 0.48 | | | | 42 | D |

TABLE C
INTERCEPTOR SYSTEM FLOW ANALYSIS OF
BRICK SEWER 84 INCH RCP 60 INCH -1986

| Phase | DICTO | VOLVVLIV, O | MGD | 00 111011-1 | 300 |
|--------------------|----------|-------------|-----------|-------------|-------------|
| | | | Surcharge | Ultimate | |
| | Capacity | Existing | Capacity | Required | Capacity |
| Column (1) | (2) | Flow (3) | (4) | (5) | Deficit (6) |
| WDOD | | | | | |
| WPCP | | | | | |
| PHASE I/II - 9085' | 158 | 212 | 228 | 276 | 118 |
| AGNEWS - (A) | | | | | |
| PHASE III - 5930' | 166 | 212 | 250 | 267 | 101 |
| DAGGETT - (B) | | | | | |
| PHASE IV - 2875' | 149 | 212 | 300 | 257 | 108 |
| TRIMBLE ROAD (C) | | | | | |
| PHASE V - 8160' | 172 | 206 | 300 | 257 | 85 |
| HIGHWAY 101 - (E) | | | | | |
| PHASE VI - 4500' | 245 | 178 | 358 | 245 | 0 |
| COMMERC/4TH ST. | | | | | |
| PHASE VII - 6440' | 140 | 178 | 360 | 245 | 104 |
| YOUNGER | | | | | |
| PART PHASE VII | 75 | 86 | 150 | 195 | 120 |
| 7TH & EMPIRE | | | | | |

Existing flow values are based on a limited number of dry weather measurements taken in 1985 & 1986 adjusted to include inflow and infiltration.

Surcharge capacity is the capacity of the line within 1 to 2 ft of spilling out of the manhole.

Circular Channel Analysis & Design Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name: NSJ Sewer

Comment: area s-1,2

Solve For Full Flow Capacity

Given Input Data:

Computed Results:

 Full Flow Capacity
 1.28 cfs

 Full Flow Depth
 0.83 ft

 Velocity
 2.37 fps

 Flow Area
 0.54 sf

 Critical Depth
 0.51 ft

 Percent Full
 100.00 %

 Full Capacity
 1.28 cfs

 QMAX @.94D
 1.38 cfs

 Froude Number
 FULL

Circular Channel Analysis & Design Solved with Manning's Equation

Open Channel - Uniform Flow

Worksheet Name: NSJ Sewer

Comment: area s-14

Solve For Full Flow Capacity

Given Input Data:

Diameter..... 0.67 ft (8")
Slope..... 0.0050 ft/ft

0.93 cfs

Manning's n..... 0.013
Discharge..... 0.87 cfs

Computed Results:

 Full Flow Capacity.
 0.87 cfs

 Full Flow Depth.
 0.67 ft

 Velocity.
 2.46 fps

 Flow Area.
 0.35 sf

 Critical Depth.
 0.44 ft

 Percent Full.
 100.00 %

 Full Capacity.
 0.87 cfs

Froude Number.... FULL

QMAX @.94D.....

Circular Channel Analysis & Design Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name: NSJ Sewer

Comment: area s-13

Solve For Full Flow Capacity

Given Input Data:

Computed Results:

Full Flow Capacity... 0.67 cfs

Full Flow Depth... 0.67 ft

Velocity... 1.90 fps

Flow Area... 0.35 sf

Critical Depth... 0.39 ft

Percent Full... 100.00 %

Full Capacity... 0.67 cfs

QMAX @.94D... 0.72 cfs

Froude Number... FULL

Circular Channel Analysis & Design Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name:

Comment:

Solve For Full Flow Capacity

Given Input Data:

| nput Data: | (-") |
|-------------|--------------|
| Diameter | 0.67 ft (8") |
| Slope | 0.0086 ft/ft |
| Manning's n | 0.013 |
| Discharge | 1.14 cfs |
| | |

Computed Results:

| Full Flow Capacity | 1.14 cfs |
|--------------------|----------|
| Full Flow Depth | 0.67 ft |
| Velocity | 3.22 fps |
| Flow Area | 0.35 sf |
| Critical Depth | 0.50 ft |
| Percent Full | 100.00 % |
| Full Capacity | 1.14 cfs |
| QMAX @.94D | 1.22 cfs |
| Froude Number | FULL |



EXISTING STORM DRAINAGE SYSTEM

SUMMARY OF FLOWS AND CAPACITY

TABLE D STORM LINES RINCON STUDY AREA

| (S) | _ | | 92 | 8 | 26 | 06 | 157 | 184 | | 194 | 96 | 166 | 45 | ۲. | 9 | 72 | <u>,</u> | | | | | |
|-----------------------------|-----------------------------|-----------------------|-----|----|----|-----|-----|-----|------|-----------------|-----|-----|-----|-----|-----|-------|----------|--|--|-------------------------------------|---------------------------------------|------------------------------------|
| Pipe Q _{cap} (cfs) | Gravity Flow | Only | | | | | 7 | 1 | | 1 | | 1 | | 184 | | 147 2 | 196 | | | | | |
| | Q ₁₀ (cfs) | Cumulative Only | 330 | 37 | 32 | 195 | 410 | 635 | 823 | 963 | 250 | 333 | 140 | 350 | 124 | 239 | 539 | | | | | |
| | | Q ₁₀ (cfs) | 330 | 37 | 32 | 195 | 275 | 165 | 188 | 140 | 250 | 83 | 140 | 210 | 124 | 115 | 300 | | | | | |
| | Q ₅ (cfs) | Cumulative Q₁0 (cfs) | 270 | 30 | 26 | 159 | 384 | 518 | 899 | 784 | 200 | 267 | 110 | 280 | 100 | 195 | 440 | | | | | |
| | | Q ₅ (cfs) | 270 | 30 | 26 | 159 | 225 | 134 | 150 | 116 | 200 | 29 | 110 | 170 | 100 | 96 | 245 | | m 12 | | | |
| | Q ₂ (cfs) | Cumulative | 216 | 25 | 21 | 127 | 308 | 416 | 539 | 632 | 162 | 216 | 91 | 231 | 81 | 157 | 353 | | Outside of Study Area, but Contributes Flow to System 12 | = 758 cfs | at this Point | v Rate of Storm Water @ x Yr Event |
| | | Q ₂ (cfs) | 216 | 25 | 21 | 127 | 181 | 108 | 123 | 93 | 162 | 54 | 91 | 140 | 81 | 9/ | 196 | | Contributes | al Capacity | 1 Area 12b | rm Water (|
| | Cumulative | | 440 | 20 | 43 | 260 | 089 | 820 | 1100 | 1290 | 330 | 440 | 185 | 470 | 165 | 320 | 720 | | idy Area, but (| at Outlet, Total Capacity = 758 cfs | ries Flow from Area 12b at this Point | ow Rate of Sto |
| Drainage | Basin Area | (AC) | 440 | 20 | 43 | 260 | 370 | 220 | 250 | 190 | 330 | 110 | 185 | 285 | 165 | 155 | 400 | | Outside of Stu | Pump Station a | Pipe Only Carri | Volumetric Flow |
| | Storm Drain | SubSystem | • | • | - | 9a | q6 | o6 | ¹p6 | ² p6 | 10a | 10b | 11a | 11b | 12a | *12b | 12c | | * | 1 | 2 | , a = , |
| | Storm Drain | System | 9 | 7 | 8 | 6 | | | | | 10 | | 11 | | 12 | | | | | | | 1 |

existing general plan North San Jose EIR Study Area: Vacant and Redevelopable Lands

| <u>I.D.</u> | APN | Category | <u>GP</u> | Acres | Existing (ft ²) |
|-------------|----------|----------|-----------|--------|-----------------------------|
| RD1 | 9706032 | R | IP | 18.45 | 214,428 |
| 047 16A | 9706037 | V | IP | 6.88 | |
| RD2 | 9706039 | R | IP | 32.60 | 454,200 |
| 048 111 | 9707032 | V | IP | 3.50 | |
| 048 11L | 9707034 | V | IΡ | 3.86 | |
| 048 12D | 9707040 | V | IP | 9.27 | |
| 048 11J | 9707047 | V | IP | 5.69 | |
| 048 11K | 9707056 | V | IP | 9.31 | |
| 048 13F | 9709031 | V | IP | 6.74 | |
| 048 13E | 9709037 | V | IP | 5.14 | |
| RD3 | 9713054 | R | IP | 9.15 | 164,586 |
| RD4 | 9713075 | R | IP | 22.94 | 329,894 |
| R77 | 9714057 | Ÿ | IP | 19.85 | 10,379 |
| 051 13C | 9714061 | v | IP | 6.34 | 10,379 |
| 051 14D | 9714075 | V | IP | 6.94 | |
| 051 7E | | V | | - | |
| 045 4 | 9715030 | | IP IP | 32.71 | |
| | 9725051 | V | IP. | 14.69 | |
| 045 3A | 9745014 | V | IP | 10.59 | |
| 045 1J | 9745021 | V | IP | 104.40 | |
| RD5 | 9745023 | R | IP. | 14.23 | 175,000 |
| RD6 | 9752013 | R | IP | 7.51 | 118,491 |
| RD7 | 9753006 | R | IP | 5.26 | 93,136 |
| RD8 | 9756003 | R | IP | 9.24 | 150,000 |
| RD9 | 9756005 | R | ΙΡ̈́ | 8.24 | 80,000 |
| 046 3 | 9756008 | V | IP | 6.05 | |
| RD10 | 9757010 | R | IP | 2.15 | 52,500 |
| RD11 | 9758001 | R | IP | 18.50 | 199,600 |
| RD12 | 9758003 | R | IP | 15.18 | 234,633 |
| 045 5B | 9760007 | V | CIC | 4.45 | 20 1,000 |
| 045 1F | 9760008 | V | IP | 42.05 | |
| 051 8C | 9766002 | v | IP | 8.72 | |
| S47 | 23029074 | R | CIC | 11.33 | 202,594 |
| S48 | 23029074 | R | CIC | | |
| | | | | 9.64 | 163,600 |
| S43 | 23005007 | R | CIC | 0.57 | |
| S1 | 23029017 | R | CIC | 1.97 | 25,600 |
| S2 | 23029018 | R | CIC | 1.67 | 26,688 |
| S3 | 23029022 | R | CIC | 0.87 | 11,824 |
| S4 | 23029026 | Ŕ | CIC | 0.40 | 1,109 |
| S5 | 23029034 | R | CIC | 1.46 | 16,060 |
| S6 | 23029041 | R | CIC | 3.37 | 36,624 |
| S7 | 23029042 | R | CIC | 1.18 | 7,375 |
| 044 3 | 23029056 | V | CIC | 6.58 | |
| S8 | 23029057 | R | CIC | 7.45 | |
| S42 | 23029085 | R | CIC | 5.87 | |
| S9 | 23501002 | R | CIC | 0.29 | |
| S10 | 23501003 | R | CIC | 1.10 | 20,160 |
| S11 | 23501004 | R | CIC | 1.42 | · |
| S44 | 23501005 | R | CIC | 0.93 | |
| V2 | 23502001 | V | CIC | 0.30 | |
| V1 | 23502002 | v | CIC | 0.21 | |
| S12 | 23502009 | R | CIC | 0.08 | 592 |
| S13 | 23502010 | R | CIC | 0.35 | |
| S14 | 23502010 | R | CIC | 2.97 | |
| S15 | 23502014 | R | CIC | 0.50 | |
| S16 | | | | | |
| | 23502017 | R | CIC | 0.57 | |
| S17 | 23502024 | R | CIC | 0.09 | |
| S18 | 23502025 | R | CIC | 0.64 | 21,840 |
| S19 | 23502026 | R | CIC | 0.53 | |
| S20 | 23503001 | R | CIC | 0.65 | 2,127 |
| S21 | 23503002 | R | CIC | 2.51 | |
| S22 | 23503006 | R | CIC | 0.29 | 6,018 |
| S23 | 23503007 | R | CIC | 0.22 | 5,424 |
| S24 | 23503013 | R | CIC | 2.15 | 31,450 |
| S25 | 23504002 | R | CIC | 0.70 | |
| S26 | 23504003 | R | CIC | 0.62 | |
| S27 | 23504004 | R | CIC | 1.25 | |
| S28 | 23504005 | R | CIC | 0.77 | 16,760 |
| S29 | 23504006 | R | CIC | 0.77 | 8,400 |
| S30 | | | | | 0,400 |
| | 23504007 | R | CIC | 0.55 | |
| S31 | 23504012 | R | CIC | 0.96 | |
| S32 | 23504014 | R | CIC | 4.97 | |
| S45 | 23504015 | R | CIC | 0.74 | |
| S33 | 23505006 | R | CIC | 0.72 | |
| V3 | 23505009 | V | CIC | | |

1

existing general plan North San Jose EIR Study Area: Vacant and Redevelopable Lands

| <u>I.D.</u> | APN | Category | GP | Acres | Existing (ft ²) |
|-------------|----------|----------|-----|--------|-----------------------------|
| 058 5 | 23505010 | ٧ | CIC | 0.90 | |
| S34 | 23505014 | R | CIC | 0.62 | |
| S35 | 23505015 | R | CIC | 0.93 | 6,000 |
| S36 | 23505016 | R | CIC | 1.81 | , , , , |
| S37 | 23505018 | R | CIC | 1.61 | |
| S38 | 23505022 | R | CIC | 0.49 | |
| \$39 | 23505025 | R | CIC | 1.16 | |
| S46 | 23505026 | R | CIC | 1.55 | |
| S40 | 23505033 | R | CIC | 2.14 | 21,564 |
| 489 17 | 23703044 | ٧ | HI | 1.79 | |
| RD13 | 23703060 | R | HI | 18.59 | 28,287 |
| 476 7 | 23705050 | ٧ | HI | 15.79 | |
| 057 1F | 23716072 | ٧ | IP | 16.75 | |
| 057 2 | 23716073 | V | CIC | 3.27 | |
| 052 4 | 23717168 | ٧ | IP | 2.41 | |
| 054 3 | 23718054 | V | IP | 7.43 | |
| 055 16 | 23720113 | ٧ | IP | 5.38 | |
| 056 3 | 23721170 | V | CIC | 1.38 | |
| RD14 | 23722065 | R | IP | 5.23 | 81,600 |
| 053 3B | 23728046 | V | IP | 5.32 | , , |
| 053 3C | 23728046 | V | IP | 4.92 | |
| TOTAL | | | | 650.38 | 3,018,543 |

scenario 1 North San Jose EIR Land Study Area: Vacant and Redevelopable Lands

| C factor, bldg = | 0.9 | | | | | | | | Ī |
|------------------|----------------------|----------|-----------|---------------|-----------------------------|--------------|-----------------------|-------------------|---------------|
| C factor, land = | 0.7 | | | | | | | | |
| i for area = | 1 | in./hr. | | | | | | | |
| | | | | | | | - | | |
| I.D. | APN | Category | <u>GP</u> | Acres | Existing (ft ²) | FAR | New Development (ft²) | Weighted C factor | Flow (cfs) |
| RD1 | 9706032 | R | IP | 18.45 | 214,428 | 0.40 | 107,045 | 0.78 | 14.39 |
| 047 16A RD2 | 9706037 9706039 | V R | IP IP | 6.88 32.60 | 454,200 | 0.40 | 119,877 | 0.78 0.78 | 5.37 25.43 |
| 048 111 | 9707032 | V | IP IP | 32.60 | 454,200 | 0.40 | 113,822 60,914 | 0.78 | 25.43 |
| 048 11L | 9707034 | V | IP | 3.86 | | 0.40 | 67,204 | 0.78 | 3.01 |
| 048 12D | 9707040 | V | IP | 9.27 | | 0.40 | 161,433 | 0.78 | 7.23 |
| 048 11J | 9707047 | V | IP | 5.69 | | 0.40 | 99,143 | 0.78 | 4.44 |
| 048 11K | 9707056 | V | IP | 9.31 | | 0.40 | 162,217 | 0.78 | 7.26 |
| 048 13F | 9709031 | V | IP | 6.74 | | 0.40 | 117,438 | 0.78 | 5.26 |
| 048 13E | 9709037 | V | IP | 5.14 | | 0.40 | 89,612 | 0.78 | 4.01 |
| RD3 | 9713054 | R | IP. | 9.15 | 164,586 | 0.40 | (5,156) | 0.78 | 7.14 |
| RD4 | 9713075 | R | IP. | 22.94 | 329,894 | 0.40 | 69,813 | 0.78 | 17.89 |
| R77 051 13C | 9714057 9714061 | V | IP IP | 19.85 6.34 | 10,379 | 0.40 | 335,487 110,468 | 0.78 0.78 | 15.48 4.95 |
| 051 14D | 9714075 | V | IP | 6.94 | | 0.40 | 120,905 | 0.78 | 5.41 |
| 051 7E | 9715030 | v | IP | 32.71 | - | 0.35 | 498,697 | 0.77 | 25.19 |
| 045 4 | 9725051 | V | IP | 14.69 | | 0.35 | 223,948 | 0.77 | 11.31 |
| 045 3A | 9745014 | V | IP | 10.59 | | 0.40 | 184,590 | 0.78 | 8.26 |
| 045 1J | 9745021 | V | IP | 104.40 | | 0.40 | 1,819,066 | 0.78 | 81.43 |
| RD5 | 9745023 | R | IP | 14.23 | 175,000 | 0.40 | 72,944 | 0.78 | 11.10 |
| RD6 | 9752013 | R | IP IP | 7.51 | 118,491 | 0.35 | (3,994) | 0.77 | 5.78 |
| RD7 | 9753006 | R | IP IP | 5.26 | 93,136 | 0.35 | (12,942) | 0.77 | 4.05 |
| RD8 RD9 | 9756003 9756005 | R | IP IP | 9.24 8.24 | 150,000 80,000 | 0.40 | 10,998 | 0.78 0.78 | 7.21 6.43 |
| 046 3 | 9756008 | V | IP | 6.05 | 80,000 | 0.40 | 105,328 | 0.78 | 4.72 |
| RD10 | 9757010 | R | IP | 2.15 | 52,500 | 0.40 | (15,038) | 0.78 | 1.68 |
| RD11 | 9758001 | R | IP IP | 18.50 | 199,600 | 0.40 | 122,744 | 0.78 | 14.43 |
| RD12 | 9758003 | R | IP | 15.18 | 234,633 | 0.40 | 29,863 | 0.78 | 11.84 |
| 045 5B | 9760007 | V | CIC | 4.45 | | 0.40 | 77,537 | 0.78 | 3.47 |
| 045 1F | 9760008 | V | IP | 42.05 | | 0.40 | 732,679 | 0.78 | 32.80 |
| 051 8C | 9766002 | V | IP | 8.72 | | 0.35 | 132,945 | 0.77 | 6.71 |
| S47 | 23029074 | R | CIC | 11.33 | 202,594 | 0.40 | (5,180) | 0.78 | 8.84 |
| S48 S43 | 23029075 23005007 | R | CIC | 9.64 | 163,600 | 0.40 | 4,367 9,932 | 0.78 0.78 | 7.52 0.44 |
| S1 | 23029017 | R | CIC | 1.97 | 25,600 | 0.40 | 8,725 | 0.78 | 1.54 |
| S2 | 23029018 | R | CIC | 1.67 | 26,688 | 0.40 | 2,410 | 0.78 | 1.30 |
| S3 | 23029022 | R | CIC | 0.87 | 11,824 | 0.40 | 3,335 | 0.78 | 0.68 |
| S4 | 23029026 | R | CIC | 0.40 | 1,109 | 0.40 | 5,861 | 0.78 | 0.31 |
| S5 | 23029034 | R | CIC | 1.46 | 16,060 | 0.40 | 9,379 | 0.78 | 1.14 |
| S6 | 23029041 | R | CIC | 3.37 | 36,624 | 0.40 | 22,095 | 0.78 | 2.63 |
| S7 | 23029042 | R | CIC | 1.18 | 7,375 | 0.40 | 13,185 | 0.78 | 0.92 |
| 044 3 S8 | 23029056 | V R | CIC | 6.58 7.45 | | 0.40 | 114,650 129,809 | 0.78 0.78 | 5.13 5.81 |
| S42 | 23029085 | R | CIC | 5.87 | - | 0.40 | 102,279 | 0.78 | 4.58 |
| S9 | 23501002 | R | CIC | 0.29 | | 0.40 | 5,053 | 0.78 | 0.23 |
| S10 | 23501003 | R | CIC | 1.10 | 20,160 | 0.40 | (994) | | 0.86 |
| S11 | 23501004 | R | CIC | 1.42 | | 0.40 | 24,742 | 0.78 | 1,11 |
| S44 | 23501005 | R | CIC | 0.93 | | 0.40 | 16,204 | 0.78 | 0.73 |
| V2 | 23502001 | V | CIC | 0.30 | | 0.40 | 5,227 | 0.78 | 0.23 |
| V1 | 23502002 | V | CIC | 0.21 | | 0.40 | 3,659 | 0.78 | 0.16 |
| S12 | 23502009 | R | CIC | 0.08 | 592 | 0.40 | 802 | 0.78 | 0.06 |
| S13 S14 | 23502010 23502014 | R | CIC | 0.35 | | 0.40 | 6,098 | 0.78 | 0.27 |
| S14 S15 | 23502014 | R R | CIC | 2.97 0.50 | | 0.40 | 51,749 8,712 | 0.78 0.78 | 2.32 0.39 |
| S16 | 23502017 | R | CIC | 0.50 | - | 0.40 | 9,932 | 0.78 | 0.39 |
| S17 | 23502017 | R | CIC | 0.09 | | 0.40 | 1,568 | 0.78 | 0.44 |
| S18 | 23502025 | R | CIC | 0.64 | 21,840 | 0.40 | (10,689) | | 0.50 |
| S19 | 23502026 | R | CIC | 0.53 | | 0.40 | 9,235 | 0.78 | 0.41 |
| S20 | 23503001 | R | CIC | 0.65 | 2,127 | 0.40 | 9,199 | 0.78 | 0.51 |
| S21 | 23503002 | R | CIC | 2.51 | | 0.40 | 43,734 | 0.78 | 1.96 |
| S22 | 23503006 | R | CIC | 0.29 | 6,018 | 0.40 | (965) | | 0.23 |
| S23 | 23503007 | R | CIC | 0.22 | 5,424 | 0.40 | (1,591) | | 0.17 |
| S24 S25 | 23503013 23504002 | R | CIC | 2.15 0.70 | 31,450 | 0.40 | 6,012 | 0.78 | 1.68 |
| S26 | 23504002 | R | CIC | 0.70 | | 0.40 | 12,197 10,803 | 0.78 0.78 | 0.55 0.48 |
| S27 | 23504003 | R | CIC | 1.25 | | 0.40 | 21,780 | 0.78 | 0.48 |
| S28 | 23504005 | R | CIC | 0,77 | 16,760 | 0.40 | (3,344) | | 0.60 |
| S29 | 23504006 | R | CIC | 0.44 | 8,400 | 0.40 | (733) | | 0.34 |
| S30 | 23504007 | R | CIC | 0.55 | | 0.40 | 9,583 | | 0.43 |
| S31 | 23504012 | R | CIC | 0.96 | | 0.40 | 16,727 | 0.78 | 0.75 |
| | 22504044 | Ř | CIC | 4.97 | | 0.40 | 86,597 | 0.78 | 3.88 |
| S32 | 23504014 | | | | | | | | |
| | 23504015 23505006 | R | CIC | 0.74 | | 0.40 0.40 | 12,894 12,545 | 0.78 | 0.58 0.56 |

scenario 1 North San Jose EIR Land Study Area: Vacant and Redevelopable Lands

| <u>I.D.</u> | APN | Category | GP | Acres | Existing (ft ²) | FAR | New Development (ft ²) | Weighted C factor | Flow (cfs) |
|-------------|----------|----------|-------|--------|-----------------------------|------|------------------------------------|-------------------|------------|
| 058 5 | 23505010 | V | CIC | 0.90 | | 0.40 | 15,699 | 0.78 | 0.70 |
| S34 | 23505014 | R | CIC | 0.62 | | 0.40 | 10,803 | 0.78 | 0.48 |
| S35 | 23505015 | R | CIC | 0.93 | 6,000 | 0.40 | 10,204 | 0.78 | 0.73 |
| S36 | 23505016 | R | CIC | 1.81 | | 0.40 | 31,537 | 0.78 | 1.41 |
| S37 | 23505018 | R | CIC | 1.61 | | 0.40 | 28,053 | 0.78 | 1.26 |
| S38 | 23505022 | R | CIC | 0.49 | | 0.40 | 8,538 | 0.78 | 0.38 |
| S39 | 23505025 | R | CIC | 1.16 | | 0.40 | 20,212 | 0.78 | 0.90 |
| S46 | 23505026 | R | CIC | 1.55 | | 0.40 | 27,007 | 0.78 | 1.21 |
| S40 | 23505033 | R | CIC | 2.14 | 21,564 | 0.40 | 15,723 | 0.78 | 1.67 |
| 489 17 | 23703044 | V | HI | 1.79 | | 0.35 | 27,290 | 0.77 | 1.38 |
| RD13 | 23703060 | R | HI | 18.59 | 28,287 | 0.35 | 255,136 | 0.77 | 14.31 |
| 476 7 | 23705050 | V | HI | 15.79 | | 0.35 | 240,734 | 0.77 | 12.16 |
| 057 1F | 23716072 | ٧ | IP | 16.75 | | 0.40 | 291,852 | 0.78 | 13.07 |
| 057 2 | 23716073 | V | CIC | 3.27 | | 0.40 | 56,889 | 0.78 | 2.55 |
| 052 4 | 23717168 | V | IP | 2.41 | - | 0.40 | 41,974 | 0.78 | 1.88 |
| 054 3 | 23718054 | V | IP | 7.43 | | 0.35 | 113,278 | 0.77 | 5.72 |
| 055 16 | 23720113 | V | IP | 5.38 | | 0.35 | 82,023 | 0.77 | 4.14 |
| 056 3 | 23721170 | V | CIC | 1.38 | | 0.35 | 21,039 | 0.77 | 1.06 |
| RD14 | 23722065 | R | IP | 5.23 | 81,600 | 0.40 | 9,528 | 0.78 | 4.08 |
| 053 3B | 23728046 | V | IP. | 5.32 | | 0.35 | 81,109 | 0.77 | 4.10 |
| 053 3C | 23728046 | V | IP IP | 4.92 | | 0.35 | 75,010 | 0.77 | 3.79 |
| TOTAL | | | | 650.38 | 3,018,543 | | 8,031,703 | | 506.00 |

scenario 2 & 3 North San Jose EIR Land Study Area: Vacant and Redevelopable Lands

| C factor, bldg = | 0.9 | | | | | | | | |
|--------------------|----------------------|-----------------|----------|----------------|-----------------------------|--------------|------------------------------------|-------------------|----------------|
| C factor, land = | 0.7 | <u> </u> | | | | | | | |
| i for area = | 1 | in./hr. | | | | | | | |
| I.D. | APN | Category | GP | Acres | Existing (ft ²) | FAR | New Development (ft ²) | Weighted C factor | Flow (cfs |
| RD1 | 9706032 | R | IP | 18.45 | | 0.50 | 187,413 | 0.80 | 14.76 |
| 047 16A | 9706037 | V | IP | 6.88 | | 0.50 | 149,846 | 0.80 | 5.50 |
| RD2 | 9706039 | R | IP | 32.60 | | 0.50 | 255,828 | 0.80 | 26.08 |
| 048 111 | 9707032 | V | IP IP | 3.50 | | 0.50 | 76,143 | 0.80 | 2.80 |
| 048 11L 048 12D | 9707034 9707040 | V | IP IP | 3.86 | | 0.50 | 84,005 | 0.80 | 3.09 |
| 048 11J | 9707040 | V | IP IP | 9.27 5.69 | | 0.50 0.50 | 201,792 | 0.80 | 7.41 |
| 048 11K | 9707056 | V | IP | 9.31 | | 0.50 | 123,928 202,772 | 0.80 | 4.55 7.45 |
| 048 13F | 9709031 | V | IP | 6.74 | | 0.50 | 146,797 | 0.80 | 5.39 |
| 048 13E | 9709037 | V | IP | 5.14 | | 0.50 | 112,015 | 0.80 | 4.11 |
| RD3 | 9713054 | R | IP | 9.15 | 164,586 | 0.50 | 34,701 | 0.80 | 7.32 |
| RD4 | 9713075 | R | IP | 22.94 | 329,894 | 0.50 | 169,739 | 0.80 | 18.35 |
| R77 | 9714057 | V | IP | 19.85 | | 0.50 | 421,954 | 0.80 | 15.88 |
| 051 13C | 9714061 | V | IP ID | 6.34 | | 0.50 | 138,085 | 0.80 | 5.07 |
| 051 14D 051 7E | 9714075 9715030 | V | IP IP | 6.94 | | 0.50 | 151,131 | 0.80 | 5.55 |
| 045 4 | 9715050 | \ \ \ \ \ \ \ \ | IP IP | 32.71 14.69 | | 0.50 0.50 | 712,424 319,926 | 0.80 | 26.17 |
| 045 3A | 9745014 | V | IP | 10.59 | | 0.50 | 230,737 | 0.80 | 11.75 8.48 |
| 045 1J | 9745021 | v | IP | 104.40 | | 0.50 | 2,273,832 | 0.80 | 83.52 |
| RD5 | 9745023 | R | IP | 14.23 | 175,000 | 0.50 | 134,929 | 0.80 | 11.38 |
| RD6 | 9752013 | R | iP | 7.51 | 118,491 | 0.50 | 45,077 | 0.80 | 6.01 |
| RD7 | 9753006 | R | ΙP | 5.26 | 93,136 | 0.50 | 21,427 | 0.80 | 4.21 |
| RD8 | 9756003 | R | IP | 9.24 | 150,000 | 0.50 | 51,247 | 0.80 | 7.39 |
| RD9 | 9756005 | R | IP | 8.24 | 80,000 | 0.50 | 99,467 | 0.80 | 6.59 |
| 046 3 RD10 | 9756008 9757010 | V | IP | 6.05 | 50 500 | 0.50 | 131,660 | 0.80 | 4.84 |
| RD11 | 9757010 | R | IP IP | 2.15 18.50 | 52,500 199,600 | 0.50 0.50 | (5,673) | 0.80 | 1.72 |
| RD12 | 9758003 | R | IP | 15.18 | 234,633 | 0.50 | 203,330 95,987 | 0.80 | 14.80 12.14 |
| 045 5B | 9760007 | V | CIC | 4.45 | 204,000 | 0.50 | 96,921 | 0.80 | 3.56 |
| 045 1F | 9760008 | V | IP. | 42.05 | | 0.50 | 915,849 | 0.80 | 33.64 |
| 051 8C | 9766002 | V | IP | 8.72 | | 0.50 | 189,922 | 0.80 | 6.98 |
| S47 | 23029074 | R | CIC | 11.33 | 202,594 | 0.50 | 44,173 | 0.80 | 9.06 |
| S48 | 23029075 | R | CIC | 9.64 | 163,600 | 0.50 | 46,359 | 0.80 | 7.71 |
| S43 | 23005007 | R | CIC | 0.57 | | 0.50 | 12,415 | 0.80 | 0.46 |
| S1 S2 | 23029017 23029018 | R | CIC | 1.97 | 25,600 | 0.50 | 17,307 | 0,80 | 1.58 |
| S3 | 23029018 | R | CIC | 1.67 0.87 | 26,688 11,824 | 0.50 0.50 | 9,685 | 0.80 | 1.34 |
| S4 | 23029026 | R | CIC | 0.40 | 1,109 | 0.50 | 7,125 7,603 | 0.80 | 0.70 0.32 |
| S5 | 23029034 | R | CIC | 1.46 | 16,060 | 0.50 | 15,739 | 0.80 | 1.17 |
| S6 | 23029041 | R | CIC | 3.37 | 36,624 | 0.50 | 36,775 | 0.80 | 2.70 |
| S7 | 23029042 | R | CIC | 1.18 | 7,375 | 0.50 | 18,325 | 0.80 | 0.94 |
| 044 3 | 23029056 | V | CIC | 6.58 | | 0.50 | 143,312 | 0.80 | 5.26 |
| S8 | 23029057 | R | CIC | 7.45 | | 0.50 | 162,261 | 0.80 | 5.96 |
| S42 | 23029085 | R | CIC | 5.87 | | 0.50 | 127,849 | 0.80 | 4.70 |
| S9 S10 | 23501002 23501003 | R | CIC | 0.29 | 00.400 | 0.50 | 6,316 | 0.80 | 0.23 |
| \$11 | 23501003 | R R | CIC | 1.10 1.42 | 20,160 | 0.50 | 3,798 | 0.80 | 0.88 |
| S44 | 23501005 | R | CIC | 0.93 | | 0.50 0.50 | 30,928 20,255 | 0.80 | 1.14 |
| V2 | 23502001 | i v | CIC | 0.30 | | 0.50 | 6,534 | 0.80 | 0.74 0.24 |
| V1 , | 23502002 | v | CIC | 0.21 | | 0.50 | 4,574 | 0.80 | 0.24 |
| S12 | 23502009 | R | CIC | 0.08 | 592 | 0.50 | 1,150 | 0.80 | 0.06 |
| S13 | 23502010 | R | CIC | 0.35 | | 0.50 | 7,623 | 0.80 | 0.28 |
| S14 | 23502014 | R | CIC | 2.97 | | 0.50 | 64,687 | 0.80 | 2.38 |
| S15 | 23502016 | R | CIC | 0.50 | | 0.50 | 10,890 | 0.80 | 0.40 |
| S16 | 23502017 | R | CIC | 0.57 | | 0.50 | 12,415 | 0.80 | 0.46 |
| S17 S18 | 23502024 23502025 | R | CIC | 0.09 | 24 242 | 0.50 | 1,960 | 0.80 | 0.07 |
| S19 | 23502025 | R | CIC | 0.64 0.53 | 21,840 | 0.50 0.50 | (7,901) | 0.80 | 0.51 |
| S20 | 23503001 | R | CIC | 0.53 | 2,127 | 0.50 | 11,543 12,030 | 0.80 0.80 | 0.42 0.52 |
| S21 | 23503002 | R | CIC | 2.51 | 2,121 | 0.50 | 54,668 | 0.80 | 2.01 |
| S22 | 23503006 | R | CIC | 0.29 | 6,018 | 0.50 | 298 | 0.80 | 0.23 |
| S23 | 23503007 | R | CIC | 0.22 | 5,424 | 0.50 | (632) | 0.80 | 0.23 |
| S24 | 23503013 | R | CIC | 2.15 | 31,450 | 0.50 | 15,377 | 0.80 | 1.72 |
| S25 | 23504002 | R | CIC | 0.70 | | 0.50 | 15,246 | 0.80 | 0.56 |
| S26 | 23504003 | R | CIC | 0.62 | | 0.50 | 13,504 | 0.80 | 0.50 |
| S27 | 23504004 | R | CIC | 1.25 | | 0.50 | 27,225 | 0.80 | 1.00 |
| S28 S29 | 23504005 23504006 | R | CIC | 0.77 | 16,760 | 0.50 | 11 | 0.80 | 0.62 |
| S30 | 23504006 | R | CIC | 0.44 0.55 | 8,400 | 0.50 0.50 | 1,183 | 0.80 | 0.35 |
| S31 | 23504007 | R | CIC | 0.96 | | 0.50 | 11,979 20,909 | 0.80 0.80 | 0.44 0.77 |
| S32 | 23504014 | R | CIC | 4.97 | | 0.50 | 108,247 | 0.80 | 3.98 |
| S45 | 23504015 | R | CIC | 0.74 | | 0.50 | 16,117 | 0.80 | 0.59 |
| S33 | 23505006 | R | CIC | 0.72 | | 0.50 | 15,682 | 0.80 | 0.58 |
| V3 | 23505009 | V | CIC | 0.42 | | 0.50 | 9,148 | 0.80 | 0.34 |

scenario 2 & 3 North San Jose EIR Land Study Area: Vacant and Redevelopable Lands

| <u>I.D.</u> | APN | Category | GP | Acres | Existing (ft ²) | FAR | New Development (ft ²) | Weighted C factor | Flow (cfs) |
|-------------|----------|----------|-----|--------|-----------------------------|------|------------------------------------|-------------------|------------|
| 058 5 | 23505010 | V | CIC | 0.90 | | 0.50 | 19,624 | 0.80 | 0.72 |
| S34 | 23505014 | R | CIC | 0.62 | | 0.50 | 13,504 | 0.80 | 0.50 |
| S35 | 23505015 | Ŕ | CIC | 0.93 | 6,000 | 0.50 | 14,255 | 0.80 | 0.74 |
| S36 | 23505016 | R | CIC | 1.81 | | 0.50 | 39,422 | 0.80 | 1.45 |
| S37 | 23505018 | R | CIC | 1.61 | | 0.50 | 35,066 | 0.80 | 1.29 |
| S38 | 23505022 | R | CIC | 0.49 | | 0.50 | 10,672 | 0.80 | 0.39 |
| S39 | 23505025 | R | CIC | 1.16 | | 0.50 | 25,265 | 0.80 | 0.93 |
| S46 | 23505026 | R | CIC | 1.55 | | 0.50 | 33,759 | 0.80 | 1.24 |
| S40 | 23505033 | R | CIC | 2.14 | 21,564 | 0.50 | 25,045 | 0.80 | 1.71 |
| 489 17 | 23703044 | ٧ | HI | 1.79 | | 0.50 | 38,986 | 0.80 | 1.43 |
| RD13 | 23703060 | R | HI | 18.59 | 28,287 | 0.50 | 376,603 | 0.80 | 14.87 |
| 476 7 | 23705050 | ٧ | HI | 15.79 | | 0.50 | 343,906 | 0.80 | 12.63 |
| 057 1F | 23716072 | V | IP | 16.75 | | 0.50 | 364,815 | 0.80 | 13.40 |
| 057 2 | 23716073 | ٧ | CIC | 3.27 | | 0.50 | 71,112 | 0.80 | 2.61 |
| 052 4 | 23717168 | ٧ | P | 2.41 | | 0.50 | 52,468 | 0.80 | 1.93 |
| 054 3 | 23718054 | ٧ | P | 7.43 | | 0.50 | 161,825 | 0.80 | 5.94 |
| 055 16 | 23720113 | V | IP | 5.38 | | 0.50 | 117,176 | 0.80 | 4.30 |
| 056 3 | 23721170 | ٧ | CIC | 1.38 | | 0.50 | 30,056 | 0.80 | 1.10 |
| RD14 | 23722065 | R | IP | 5.23 | 81,600 | 0.50 | 32,309 | 0.80 | 4.18 |
| 053 3B | 23728046 | V | IP | 5.32 | | 0.50 | 115,870 | 0.80 | 4.26 |
| 053 3C | 23728046 | ٧ | IP | 4.92 | | 0.50 | 107,158 | 0.80 | 3.94 |
| TOTAL | | | | 650.38 | 3,018,543 | | 11,146,799 | | 520.31 |

scenario 4 North San Jose EIR Study Area: Vacant and Redevelopable Lands

| | C factor, bldg = | 0.9 | il | 1 | | | | 1 | 1 | T |
|--|------------------|----------|---------------------------------------|-------------|--------------|---------|------|------------------|-------------------|---------------|
| | | | | | | | | | | |
| Principle Prin | | | | | | | | | | |
| Fig. 1976/00002 R | | | | | | | | | | |
| ### 1970/0309 P | | | Category | | | | | | Weighted C factor | Flow (cfs) |
| ROZ | | | | | | 214,428 | | | | 15.50 |
| Mail | | | | | | 454.000 | | | | 5.78 |
| 028 111. 9707004 V PP 3.86 0.070 117,868 0.044 2 0.041 11 9707047 V PP 9.27 0.070 228,568 0.044 2 0.041 11 9707047 V PP 6.69 0.070 173,469 0.044 2 0.041 11 9707047 V PP 6.59 0.070 173,469 0.044 2 0.041 11 9707047 V PP 8.31 0.070 228,568 0.044 2 0.041 11 9707047 V PP 8.31 0.070 228,568 0.044 2 0.041 11 9707047 V PP 8.31 0.070 228,568 0.044 2 0.041 11 9707047 V PP 8.31 0.070 228,568 0.044 2 0.041 11 9707047 V PP 8.31 0.070 228,568 0.044 2 0.041 11 9707047 V PP 8.31 0.070 228,568 0.044 2 0.041 11 9707047 V PP 8.31 0.041 11 9707047 V PP 9.32 0.041 11 970704 0.041 11 9707047 V PP 9.32 0 | | | | | | 454,200 | | | | 27.38 2.94 |
| 949 15D 9707040 V IP 9.27 0.70 282,508 0.64 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 4 5 4 5 | | | | 1 | | | | | | 3.24 |
| 949 11 J 9707047 V | | | · | | | - | | | | 7.78 |
| Death 11K | | | | 1 | | | | | | 4.78 |
| Mail | | | | IP | | | | | | 7.82 |
| ROS 9713054 R IP 23-9 328,844 0.70 369,552 0.84 7. RCP 9713076 R IP 23-9 328,844 0.70 369,552 0.84 11 8. RCP 9713076 R IP 23-9 328,844 0.70 369,552 0.84 11 8. RCP 9714051 V IP 19.85 10.379 0.70 594,867 0.84 11 6. RCP 9714051 V IP 6.34 10.379 0.70 594,867 0.84 11 6. RCP 9714051 V IP 6.34 10.379 0.70 594,867 0.84 11 6. RCP 9714051 V IP 6.34 10.379 0.70 211,384 0.84 15 6. RCP 9714051 V IP 6.34 10.379 0.70 211,384 0.84 15 6. RCP 971505 0.84 12 7. RCP 971505 0.84 | 048 13F | 9709031 | V | IP | 6.74 | | 0.70 | 205,516 | 0.84 | 5.66 |
| RCM | 048 13E | 9709037 | 1 | | 5.14 | | 0.70 | 156,820 | 0.84 | 4.32 |
| \$\frac{877}{65113C} \text{ \$9714057} \$V\$ \$P\$ 6.34 0.70 594.887 0.84 16 0.51140 0.714075 V \$P\$ 6.34 0.70 193.318 0.84 56 0.51140 0.714075 V \$P\$ 6.34 0.70 211.584 0.84 56 0.517 0.717 0. | | | | | | | | | | 7.69 |
| 05113C | | | | | | | | | | 19.27 |
| 05114D 9714075 | | | | | | 10,379 | | | | 16.67 5.33 |
| 0517E | | | | | | | | | | 5.83 |
| 045 4 9725051 V IP 14.69 0.70 447,897 0.84 15 045 14 9745014 V IP 100-59 0.70 323,032 0.84 16 045 14 9745012 V IP 100-40 0.70 323,032 0.84 16 045 14 9745021 V IP 100-40 0.70 323,032 0.84 16 045 15 9745013 R IP 14.23 175,000 0.70 258,891 0.84 11 076 975013 R IP 5.25 15,118,491 0.70 110,504 0.84 6 076 975013 R IP 5.25 15,118,491 0.70 110,504 0.84 6 077 975000 R IP 19 5.24 150,000 0.70 151,746 0.84 7 078 975000 R IP 19 5.24 150,000 0.70 151,746 0.84 7 078 975000 R IP 19 6.24 150,000 0.70 151,746 0.84 7 078 975000 R IP 19 6.24 150,000 0.70 151,746 0.84 7 079 975000 R IP 19 8.24 150,000 0.70 151,746 0.84 7 079 975000 R IP 19 8.24 150,000 0.70 151,746 0.84 7 070 975000 R IP 19 8.25 15 25,500 0.70 150,000 0.84 15 1 070 975000 R IP 19 8.25 15 25,500 0.70 150,000 0.84 15 1 070 975000 R IP 19 15,18 234,833 0.70 228,236 0.84 15 1 070 975000 R IP 19 15,18 234,833 0.70 228,236 0.84 15 1 070 976000 V IP 15,18 234,833 0.70 228,236 0.84 15 1 070 135,899 0.84 33 0.70 128,236 0.84 15 1 070 135,899 0.84 33 0.70 128,236 0.84 15 1 070 148,880 0.84 33 0.70 128,236 0.84 15 1 070 148,880 0.84 33 0.70 128,236 0.84 15 1 070 148,880 0.84 33 0.70 148,880 0.84 15 1 070 148,880 0.84 33 0.70 148,880 0.84 15 1 070 148,880 | | | | | | | | | | 27.48 |
| 045 3A 9745014 V IP 10.59 0.70 323.032 0.84 8 8 10.51 1 9745021 V IP 10.40 0.70 3.183.353 0.84 8 8 10.51 1 9745021 R IP 14.23 175.000 0.70 258.901 0.84 18 1 175.000 9.70 258.901 0.84 18 1 175.000 9.70 975005 R IP 7.51 118.491 0.70 110.504 0.84 6 8 10.50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | 12.34 |
| Q45 TJ 9745921 V IP 104 40 0.70 3,183,385 0.84 81 ROS 9745013 R IP 14,23 175,000 0.70 258,901 0.84 61 ROF 9752013 R IP 7,51 118,491 0.70 110,504 0.84 6 ROB 9758003 R IP 9,24 150,000 0.70 131,748 0.84 6 ROB 9758005 R IP 6,24 80,000 0.70 131,748 0.84 6 ROB 9758005 V IP 6,05 0.70 184,324 0.84 6 RD11 9758017 R IP 18,50 198,600 0.70 364,502 0.84 11 RD11 9758017 R IP 18,50 198,600 0.70 364,502 0.84 12 RD418 976000 V IP 18,50 28,433 0.70 | | | | | | | | | | 8.90 |
| RDF | 045 1J | 9745021 | V | ΙΡ | | | 0.70 | | 0.84 | 87.70 |
| RDT | | | | | | | | | | 11.95 |
| RDB 9756003 R IP 9.24 150,000 0.70 131,746 0.84 7 RDB 9756006 R IP 8.24 80,000 0.70 171,725 0.84 6 046 3 9756006 V IP 6.05 0.70 171,725 0.84 6 046 3 9756007 R IP 18.50 199,600 0.70 184,324 0.84 6 RD11 9757010 R IP 18.50 199,600 0.70 394,502 0.84 15 RD11 9758001 R IP 18.50 199,600 0.70 394,502 0.84 15 RD11 9758007 V CIC 4.45 34,833 0.70 2223,36 0.84 15 045 58 9750007 V CIC 4.45 34,833 0.70 135,589 0.84 15 045 58 9750007 V IP 42,05 0.70 135,589 0.84 15 051 8C 9756002 V IP 8.72 0.70 126,218 0.84 3 051 8C 9756002 V IP 8.72 0.70 126,218 0.84 3 051 8C 9756002 V IP 8.72 0.70 126,589 0.94 3 051 8C 9756002 V IP 8.72 0.70 126,589 0.94 3 051 8C 30309075 R CIC 9.64 163,600 0.70 130,343 0.84 6 051 8C 30309075 R CIC 9.64 163,600 0.70 130,343 0.84 6 052 230309017 R CIC 1.97 25,600 0.70 34,469 0.84 15 052 23030917 R CIC 1.97 25,600 0.70 34,469 0.84 15 053 23030902 R CIC 0.67 1.17 25,688 0.70 242,43 0.84 15 058 230309034 R CIC 0.67 1.17 25,688 0.70 242,43 0.84 15 058 23030904 R CIC 0.67 1.17 25,688 0.70 242,44 0.84 15 058 23030904 R CIC 0.67 1.18 0.60 0.70 14,704 0.84 15 058 23030904 R CIC 0.69 1.18 0.60 0.70 28,458 0.84 15 058 23030904 R CIC 0.69 1.18 0.60 0.70 28,458 0.84 15 058 23030904 R CIC 0.69 0.70 13,70 0.84 15 058 23030904 R CIC 0.69 0.70 0.70 0.70 0.84 15 058 23030904 R CIC 0.69 0.70 0.70 0.70 0.84 15 058 23030904 R CIC 0.60 0.70 0.70 0.70 0.84 15 058 23030904 R CIC 0.60 0.70 0.70 0.70 0.84 15 058 23030907 R CIC 0.60 0.70 0.70 0.84 15 058 23030907 R CIC 0.60 0.70 0.70 0.84 15 058 23030907 R CIC 0.60 0.70 0.70 0.84 15 058 23030908 R CIC 0.60 0.70 0.70 0.84 15 058 23030908 R CIC 0.60 0.70 0.70 0.84 15 058 23030909 R CIC 0.70 0.70 0.70 0.84 15 058 23030909 R CIC 0.70 0.70 0.70 0.84 15 058 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23030909 R CIC 0.70 0.70 0.70 0.84 15 059 23 | | | | | | | | | | 6.31 |
| RDB | | | | 1 | | | | | | 4.42 |
| 046 3 9756008 V PP 6.05 0.70 184.324 0.84 5.87 RD10 9757010 R PP 2.15 52.500 0.70 13.056 0.84 1.87 RD11 9758001 R PP 18.50 199.600 0.70 336.4502 0.84 1.15 RD11 9758007 V CIC 4.45 3.34 6.33 0.70 228.236 0.84 1.15 045 98 9756007 V CIC 4.45 2.45 3.30 0.70 135.589 0.84 1.5 045 98 9756007 V CIC 4.45 2.45 3.30 0.70 135.589 0.84 3.5 051 8C 9756002 V PP 8.72 0.70 128.2189 0.84 3.5 051 8C 9756002 V PP 8.72 0.70 128.2189 0.84 3.5 051 8C 9756002 V PP 8.72 0.70 128.5890 0.84 3.5 051 8C 9756007 R CIC 9.84 163.500 0.70 130.343 0.84 6.5 S48 23029075 R CIC 9.84 163.500 0.70 130.343 0.84 6.5 S48 23029075 R CIC 9.64 163.500 0.70 130.343 0.84 6.5 S48 23029077 R CIC 9.57 0.70 130.343 0.84 6.5 S51 23029018 R CIC 1.57 25.600 0.70 34.489 0.84 6.5 S52 23029018 R CIC 1.57 25.600 0.70 34.489 0.84 6.5 S52 23029018 R CIC 1.57 25.600 0.70 34.489 0.84 6.5 S53 23029022 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S55 23029034 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S58 23029034 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S58 23029034 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S58 23029034 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S58 23029034 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S58 23029034 R CIC 0.87 11.824 0.70 14.704 0.84 6.5 S58 23029034 R CIC 0.87 11.82 1.07 0.70 15.88 0.84 6.5 S58 23029034 R CIC 0.87 11.89 0.70 2.85 0.00 0.84 6.5 S58 23029034 R CIC 0.87 11.89 0.70 1.90 0.84 0.6 S58 23029034 R CIC 0.87 11.89 0.70 1.90 0.70 1.98 0.84 S58 23029034 R CIC 0.87 11.89 0.70 1.90 0.70 1.98 0.84 S58 23029034 R CIC 0.87 11.89 0.70 1.90 0.84 0.6 S58 23029034 R CIC 0.87 11.89 0.70 1.90 0.70 1.98 0.84 S58 23029034 R CIC 0.80 0.80 0.70 0.80 0.84 S58 23029034 R CIC 0.80 0.80 0.80 0.70 0.80 0.80 0.84 S58 23029034 R CIC 0.80 0.80 0.80 0.70 0.80 0.80 0.84 S58 23029034 R CIC 0.80 0.80 0.80 0.70 0.80 0.80 0.84 S58 23029035 R CIC 0.80 0.80 0.80 0.70 0.80 0.80 0.80 0.80 | | | | | | | | | | 7.76 6.92 |
| RD10 9757010 R IP 2.15 52,500 0.70 13.055 0.84 1 RD11 9758001 R IP 18.50 1996.00 0.70 364.502 0.84 1 RD12 9758003 R IP 15.18 234,533 0.70 135,689 0.84 12 045.58 9758006 V IP 42.05 0.70 135,689 0.84 12 045.58 9758007 V CIC 4.45 0.70 135,689 0.84 12 045.58 1758008 V IP 8.72 0.70 255,659 0.84 13 045.58 23028074 R CIC 11.33 202,594 0.70 142,880 0.84 15 045.38 23028075 R CIC 9.64 185,800 0.70 142,880 0.84 15 045.38 23028075 R CIC 9.64 185,800 0.70 130,343 0.84 15 045.38 23028075 R CIC 9.64 185,800 0.70 130,343 0.84 15 045.38 23028077 R CIC 9.64 185,800 0.70 130,343 0.84 15 045.38 23028077 R CIC 9.64 185,800 0.70 130,343 0.84 15 045.38 23028077 R CIC 9.67 187,800 0.70 130,343 0.84 15 045.39 23028018 R CIC 1.67 25,688 0.70 17,380 0.84 15 05.39 23028026 R CIC 0.67 11,82 0.70 144,704 0.84 15 05.5 23028034 R CIC 0.67 11,82 0.70 144,704 0.84 15 05.5 23028034 R CIC 0.40 11,109 0.70 11,088 0.84 15 05.6 23028041 R CIC 3.37 3.66,24 0.70 224,54 0.84 15 05.7 23028042 R CIC 3.37 3.66,24 0.70 224,54 0.84 15 05.7 23028042 R CIC 3.37 3.66,24 0.70 224,54 0.84 15 05.8 23028035 R CIC 0.59 17,075 0.70 226,56 0.84 15 06.4 23028056 V CIC 3.37 3.66,24 0.70 66,134 0.84 15 05.8 23028056 R CIC 5.87 0.70 0.70 224,58 0.84 15 05.8 23028056 R CIC 5.87 0.70 0.70 224,59 0.84 15 05.8 23028056 R CIC 5.87 0.70 0.70 226,56 0.84 15 05.8 23028056 R CIC 5.87 0.70 0.70 226,56 0.84 15 05.8 23028056 R CIC 5.87 0.70 0.70 226,56 0.84 15 05.8 23028056 R CIC 5.87 0.70 0.70 226,56 0.84 15 05.9 23028002 R CIC 5.87 0.70 0.70 226,56 0.84 15 05.9 23028002 R CIC 5.87 0.70 0.70 226,56 0.84 15 05.9 23028002 R CIC 5.87 0.70 0.70 238,58 0.84 0.84 15 05.1 23801003 R CIC 5.87 0.70 0.70 15,381 0.84 0.84 15 05.1 23801003 R CIC 5.87 0.70 0.70 15,381 0.84 0.84 15 05.1 23801003 R CIC 5.87 0.70 0.70 15,381 0.84 0.84 0.84 0.84 0.70 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.8 | | | | | | 60,000 | | | | 5.08 |
| RD11 9750001 R P P 18.50 199.000 0.70 364.502 0.84 11 RD12 9750003 R P P 15.18 234.833 0.70 228.236 0.84 11 045 98 9750007 V CIC 4.45 0.70 135.869 0.84 12 045 98 9750007 V CIC 4.45 0.70 135.869 0.84 3 051 9C 975002 V P P 8.72 0.70 128.869 0.84 3 051 9C 975002 V P P 8.72 0.70 128.869 0.84 7 547 23029074 R CIC 9.64 163.500 0.70 128.869 0.84 7 548 23029075 R CIC 9.64 163.500 0.70 130.343 0.84 8 548 23029075 R CIC 9.64 163.500 0.70 130.343 0.84 8 548 23029077 R CIC 9.64 163.500 0.70 130.343 0.84 8 548 23029077 R CIC 9.67 0.70 0.70 130.343 0.84 8 549 23029077 R CIC 9.67 0.70 0.70 130.343 0.84 8 551 23029077 R CIC 1.57 0.70 0.70 130.34 99 0.84 1 52 23029078 R CIC 1.57 0.70 0.70 130.34 99 0.84 1 52 23029078 R CIC 1.57 0.70 0.70 130.34 90 0.84 1 52 23029079 R CIC 1.57 0.70 0.70 130.34 99 0.84 1 53 23029072 R CIC 1.57 0.70 0.70 130.44 99 0.84 1 53 23029073 R CIC 1.57 0.70 0.70 130.44 99 0.84 1 53 23029074 R CIC 1.57 0.70 0.70 14,704 0.84 1 53 23029074 R CIC 0.87 11,824 0.70 14,704 0.84 1 53 23029074 R CIC 0.87 11,824 0.70 14,704 0.84 0.55 1 54 23029074 R CIC 0.80 11,82 0.70 11,08 0.84 0.84 0.85 1 55 23029074 R CIC 0.80 11,82 0.70 11,08 0.84 0.84 0.85 1 58 23029074 R CIC 1.58 15,080 0.70 226,586 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0.84 | | | | | | 52 500 | | | | 1.81 |
| RD12 | | | | | | · | | | | 15.54 |
| D45 F | | | | IP | | | | | | 12.75 |
| 051 8C 9766002 | | 9760007 | | CIC | 4.45 | | | 135,689 | | 3.74 |
| 547 23029074 R CIC 11.33 202.994 0.70 142,800 0.84 5 548 23029075 R CIC 96.4 163,600 0.70 130,343 0.84 8 543 23005007 R CIC 0.57 0.70 17,380 0.84 C S1 23026018 R CIC 1.97 25,600 0.70 34,468 0.84 1 S2 23026018 R CIC 1.67 26,688 0.70 14,704 0.84 1 S4 23029026 R CIC 0.40 11,108 0.70 11,108 0.84 1 S5 23029041 R CIC 1.46 16,060 0.70 28,458 0.84 1 S6 23029042 R CIC 1.18 7,375 0.70 28,606 0.84 2 S7 23029056 R CIC 7.45 0.70 28,606 | | | | | | | | | | 35.32 |
| S48 23059075 R CIC 9.64 163,800 0.70 130,343 0.84 E 543 23065007 R CIC 0.57 0.70 17380 0.84 1 S1 23029017 R CIC 1.97 25,600 0.70 34,469 0.84 1 S2 23029022 R CIC 0.07 12,2474 0.84 1 S3 23029022 R CIC 0.40 11,090 0.70 11,088 0.84 0 S4 23029034 R CIC 0.40 11,090 0.70 11,088 0.84 0 S5 23029041 R CIC 3.37 36,624 0.70 68,134 0.84 2 S7 23029042 R CIC 1.18 7.375 0.70 28,606 0.84 0 0 0.43 3 30,624 0.70 20,637 0.84 4 0 0 | | | | | | | | | | 7.32 |
| S43 | | | | | | | | | | 9.52 8.10 |
| S1 23029017 R CIC 1.97 25,500 0.70 34,469 0.84 1 S2 23029018 R CIC 1.67 26,688 0.70 24,234 0.84 0.84 1 S3 23029022 R CIC 0.97 11,824 0.70 14,704 0.84 0 S4 23029034 R CIC 0.40 1,108 0.70 11,828 0.84 1 S5 23029041 R CIC 1.44 15,060 0.70 68,134 0.84 2 S6 23029042 R CIC 1.81 7.37 0.70 20,687 0.84 2 S8 23029057 R CIC 6.58 0.70 20,687 0.84 5 S8 23029057 R CIC 5.87 0.70 178,988 0.84 6 S9 23501002 R CIC 5.28 0.70 178,988 | | | | | | 163,600 | | | | 0.48 |
| \$2 23029018 | | | | | | 25 600 | | | | 1.65 |
| \$\frac{\text{S3}}{\text{S4}} = \frac{\text{23029026}}{\text{R}} \text{R} \text{CIC} \text{C} \text{0.47} \text{1.1984} \text{ 0.70} \text{1.1984} \text{ 0.70} \text{1.1984} \text{ 0.84} \text{ 0.84} \text{ 0.84} \text{ 0.84} \text{ 0.84} \text{ 0.84} \text{ 0.85} \text{ 0.829034} \text{ R} \text{ CIC} \text{ 1.48} \text{ 16,060} \text{ 0.70} \text{ 0.70} \text{ 28,458} \text{ 0.84} \text{ 1.55} \text{ 0.84} \text{ 1.70} \text{ 0.84} \text{ 0.84} \text{ 1.70} \text{ 0.86,134} \text{ 0.84} \text{ 0.84} \text{ 1.70} \text{ 0.86,134} \text{ 0.84} \text{ 1.70} \text{ 0.86,060} \text{ 0.84} \text{ 1.70} \text{ 0.84} \text{ 1.70} \text{ 0.84} \text{ 1.70} \text{ 0.84} \text{ 1.70} \text{ 0.84,070} \text{ 0.84} \text{ 1.70} \text{ 0.70} \text{ 1.78,898} \text{ 0.84} \text{ 0.84} \text{ 1.70} \text{ 0.70} \text{ 0.84,339} \text{ 0.84} \text{ 0.84} \text{ 0.70} \text{ 1.70} \text{ 1.78,898} \text{ 0.84} \text{ 0.84} \text{ 0.70} \text{ 1.73,391} \text{ 0.84} \text{ 0.84} \text{ 0.70} \text{ 1.70} | | | | | | | | | | 1.40 |
| \$4 23029026 R CIC 0.40 1,109 0.70 11,088 0.84 C | | | | | | | | | | 0.73 |
| \$6 23029041 | S4 | 23029026 | R | CIC | 0.40 | 1,109 | 0.70 | 11,088 | 0.84 | 0.34 |
| ST 23029042 R CIC 1.18 7,375 0.70 28,606 0.84 C 0.44 3 23029056 V CIC 6.58 0.70 200,637 0.84 5.8 23029057 R CIC 7.45 0.70 27,165 0.84 6.8 6.84 23029057 R CIC 5.87 0.70 178,988 0.84 6.8 6.84 23029065 R CIC 0.29 0.70 178,988 0.84 6.8 6.89 23501002 R CIC 0.29 0.70 18,843 0.84 6.8 6.81 6.8 6. | | | | | | | | | | 1.23 |
| 044 3 23029056 V CIC 6.58 0.70 220,637 0.84 5 S8 23029057 R CIC 7.45 0.70 227,165 0.84 6 S42 23029055 R CIC 5.57 0.70 178,988 0.84 4 S9 23501002 R CIC 0.29 0.70 8,843 0.84 6 S10 23501003 R CIC 1.10 20,160 0.70 13,381 0.84 1 S11 23501004 R CIC 1.42 0.70 43,299 0.84 1 S44 23501005 R CIC 0.93 0.70 28,556 0.84 0 V1 23502001 V CIC 0.30 0.70 9,148 0.84 0 V1 23502002 V CIC 0.28 592 0.70 1,643 0.84 0 S12 23502009 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.83</td></t<> | | | | | | | | | | 2.83 |
| 88 23029057 R CIC 7.45 0.70 227,165 0.84 6 S42 23029085 R CIC 5.87 0.70 178,988 0.84 4 S9 23501002 R CIC 0.29 0.70 8,843 0.84 C S10 23501003 R CIC 1,10 20,160 0.70 13,381 0.84 C S11 23501004 R CIC 1,42 0.70 43,299 0.84 1 S44 23501005 R CIC 0.93 0.70 28,558 0.84 C V2 23502010 V CIC 0.30 0.70 9,148 0.84 C S12 23502002 V CIC 0.21 0.70 6,403 0.84 C S12 23502016 R CIC 0.08 592 0.70 1,647 0.84 C S14 23502014 R | | | | | | 7,375 | | | | 0.99 |
| S42 23029085 | | | | | | | | | | 5.53 6.26 |
| S9 23501002 R CIC 0.29 0.70 8,843 0.84 C S10 23501003 R GIC 1.10 20,160 0.70 13,381 0.84 C S11 23501004 R CIC 1.42 0.70 43,299 0.84 1 S44 23501005 R CIC 0.93 0.70 28,359 0.84 C V2 23502001 V CIC 0.30 0.70 9,148 0.84 C V1 23502002 V CIC 0.21 0.70 6,403 0.84 C S12 23502009 R CIC 0.08 592 0.70 1,847 0.84 C S13 23502014 R CIC 0.35 0.70 10,672 0.84 C S14 23502014 R CIC 0.50 0.70 15,246 0.84 C S15 23502017 R </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.93</td> | | | | | | | | | | 4.93 |
| \$10 23501003 R CIC 1.10 20,160 0.70 13,381 0.84 C \$11 23501004 R CIC 1.42 0.70 43,299 0.84 1 \$44 23501005 R CIC 0.93 0.70 28,358 0.84 C \$V2 23502001 V CIC 0.30 0.70 9,148 0.84 C \$V1 23502002 V CIC 0.21 0.70 6,403 0.84 C \$12 23502009 R CIC 0.08 592 0.70 1,847 0.84 C \$13 23502010 R CIC 0.35 0.70 10,672 0.84 C \$14 23502014 R CIC 0.55 0.70 10,672 0.84 2 \$15 23502016 R CIC 0.57 0.70 17,380 0.84 C \$17 23502024 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.24</td></td<> | | | | | | | | | | 0.24 |
| S11 | | | | | | 20,160 | | | | 0.92 |
| V2 23502001 V CIC 0.30 0.70 9,148 0.84 C V1 23502002 V CIC 0.21 0.70 6,403 0.84 C S12 23502009 R CIC 0.08 592 0.70 1,847 0.84 C S13 23502010 R CIC 0.35 0.70 10,672 0.84 C S14 23502014 R CIC 2.97 0.70 90,561 0.84 2 S15 23502017 R CIC 0.50 0.70 15,246 0.84 C S16 23502017 R CIC 0.57 0.70 17,380 0.84 C S18 23502024 R CIC 0.09 0.70 17,380 0.84 C S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 C S19 23503001 | | | - | | | | | | · | 1.19 |
| V1 23502002 V CIC 0.21 0.70 6,403 0.84 C S12 23502009 R CIC 0.08 592 0.70 1,847 0.84 C S13 23502014 R CIC 0.35 0.70 10,672 0.84 C S14 23502014 R CIC 2.97 0.70 90,561 0.84 2 S15 23502016 R CIC 0.50 0.70 15,246 0.84 C S16 23502017 R CIC 0.57 0.70 17,380 0.84 C S17 23502024 R CIC 0.09 0.70 2,744 0.84 C S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 C S19 23502026 R CIC 0.65 2,127 0.70 16,161 0.84 C S20 23 | | 23501005 | R | CIC | 0.93 | | 0.70 | 28,358 | 0.84 | 0.78 |
| S12 23502009 R CIC 0.08 592 0.70 1,847 0.84 C S13 23502010 R CIC 0.35 0.70 10,672 0.84 0 S14 23502014 R CIC 2.97 0.70 90,561 0.84 2 S15 23502016 R CIC 0.50 0.70 15,246 0.84 0 S16 23502017 R CIC 0.57 0.70 17,380 0.84 0 S17 23502024 R CIC 0.09 0.70 2,744 0.84 0 S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 0 S19 23502026 R CIC 0.53 0.70 16,161 0.84 0 S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 0 S21 | | | | | | | | | | 0.25 |
| S13 23502010 R CIC 0.35 0.70 10,672 0.84 C S14 23502014 R CIC 2.97 0.70 90,561 0.84 2 S15 23502016 R CIC 0.50 0.70 15,246 0.84 2 S16 23502017 R CIC 0.57 0.70 17,380 0.84 C S17 23502024 R CIC 0.09 0.70 2,744 0.84 C S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 C S19 23502026 R CIC 0.65 0.70 16,161 0.84 C S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 C S21 23503002 R CIC 0.29 6,018 0.70 2,825 0.84 C S22 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.18</td></t<> | | | | | | | | | | 0.18 |
| S14 23502014 R CIC 2.97 0.70 90,561 0.84 2 S15 23502016 R CIC 0.50 0.70 15,246 0.84 C S16 23502017 R CIC 0.57 0.70 17,380 0.84 C S17 23502024 R CIC 0.09 0.70 2,744 0.84 C S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 C S19 23502026 R CIC 0.53 0.70 16,161 0.84 C S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 C S21 23503002 R CIC 0.65 2,127 0.70 17,693 0.84 C S21 23503006 R CIC 0.29 6,018 0.70 76,535 0.84 C | | | | | | | | | | 0.07 |
| S15 23502016 R CIC 0.50 0.70 15,246 0.84 C S16 23502017 R CIC 0.57 0.70 17,380 0.84 0 S17 23502024 R CIC 0.09 0.70 2,744 0.84 0 S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 0 S19 23502026 R CIC 0.53 0.70 16,161 0.84 0 S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 0 S21 23503002 R CIC 0.25 10,70 76,535 0.84 2 S22 23503006 R CIC 0.29 6,018 0.70 2,825 0.84 0 S23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 0 | | | | | | | | | | 0.29 |
| S16 23502017 R CIC 0.57 0.70 17,380 0.84 C S17 23502024 R CIC 0.09 0.70 2,744 0.84 0 S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 0 S19 23502026 R CIC 0.53 0.70 16,161 0.84 0 S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 0 S21 23503002 R CIC 0.65 2,127 0.70 17,693 0.84 0 S21 23503002 R CIC 0.29 6,018 0.70 2,825 0.84 0 S22 23503006 R CIC 0.29 6,018 0.70 1,284 0.84 0 S23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 | | | · · · · · · · · · · · · · · · · · · · | 1 | | | | | | 0.42 |
| S17 23502024 R CIC 0.09 0.70 2,744 0.84 C S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 0 S19 23502026 R CIC 0.53 0.70 16,161 0.84 0 S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 0 S21 23503002 R CIC 0.65 2,127 0.70 17,693 0.84 0 S21 23503006 R CIC 0.29 6,018 0.70 2,825 0.84 2 S22 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 0 S24 23503013 R CIC 0.72 0.70 34,108 0.84 1 S25 23504002 R CIC 0.70 0.70 18,905 0.84 0 < | | | | | | | | | | 0.42 |
| S18 23502025 R CIC 0.64 21,840 0.70 (2,325) 0.84 C S19 23502026 R CIC 0.53 0.70 16,161 0.84 C S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 C S21 23503002 R CIC 2.51 0.70 76,535 0.84 2 S22 23503006 R CIC 0.29 6,018 0.70 2,825 0.84 C S23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 C S24 23503013 R CIC 0.22 5,424 0.70 1,284 0.84 C S24 23503013 R CIC 0.70 0.70 34,108 0.84 1 S25 23504002 R CIC 0.70 0.70 18,905 0.84 0 < | | | | | | | | | | 0.08 |
| S19 23502026 R CIC 0.53 0.70 16,161 0.84 C S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 C S21 23503002 R CIC 2.51 0.70 76,535 0.84 2 S22 23503006 R CIC 0.29 6,018 0.70 2,825 0.84 C S23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 C S24 23503013 R CIC 0.22 5,424 0.70 1,284 0.84 C S25 23504002 R CIC 0.70 0.70 34,108 0.84 C S26 23504003 R CIC 0.62 0.70 18,905 0.84 C S27 23504004 R CIC 0.77 16,760 0.70 38,115 0.84 C </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.54</td> | | | | | | | | | | 0.54 |
| S20 23503001 R CIC 0.65 2,127 0.70 17,693 0.84 C S21 23503002 R CIC 2.51 0.70 76,535 0.84 2 S22 23503006 R CIC 0.29 6,018 0.70 2,825 0.84 0 S23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 0 S24 23503013 R CIC 0.70 0.70 34,108 0.84 0 S25 23504002 R CIC 0.70 0.70 34,108 0.84 0 S26 23504003 R CIC 0.62 0.70 18,905 0.84 0 S27 23504004 R CIC 0.62 0.70 38,115 0.84 0 S28 23504005 R CIC 0.77 16,760 0.70 5,016 0.84 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.45</td></t<> | | | | | | | | | | 0.45 |
| S22 23503006 R CIC 0.29 6,018 0.70 2,825 0.84 C S23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 0 S24 23503013 R CIC 2.15 31,450 0.70 34,108 0.84 1 S25 23504002 R CIC 0.70 0.70 21,344 0.84 0 S26 23504003 R CIC 0.62 0.70 18,905 0.84 0 S27 23504004 R CIC 0.77 16,760 0.70 38,115 0.84 1 S28 23504005 R CIC 0.77 16,760 0.70 6,719 0.84 0 S30 23504006 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.55 0.70 16,771 0.84 0 | S20 | 23503001 | R | CIC | | | | 17,693 | | 0.55 |
| \$23 23503007 R CIC 0.22 5,424 0.70 1,284 0.84 CIC \$24 23503013 R CIC 2.15 31,450 0.70 34,108 0.84 1 \$25 23504002 R CIC 0.70 0.70 21,344 0.84 0 \$26 23504003 R CIC 0.62 0.70 18,905 0.84 1 \$27 23504004 R CIC 1.25 0.70 38,115 0.84 1 \$28 23504005 R CIC 0.77 16,760 0.70 5,016 0.84 0 \$29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 0 \$30 23504007 R CIC 0.55 0.70 16,771 0.84 0 \$31 23504012 R CIC 0.96 0.70 29,272 0.84 0 | | | | | | | | | | 2.11 |
| S24 23503013 R CIC 2.15 31,450 0.70 34,108 0.84 1 S25 23504002 R CIC 0.70 0.70 21,344 0.84 0 S26 23504003 R CIC 0.62 0.70 18,905 0.84 0 S27 23504004 R CIC 1.25 0.70 38,115 0.84 1 S28 23504005 R CIC 0.77 16,760 0.70 6,719 0.84 0 S29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 0 S30 23504007 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.96 0.70 29,272 0.84 0 S32 23504014 R CIC 4.97 0.70 151,545 0.84 0 S45 < | | | | | | | | | | 0.24 |
| S25 23504002 R CIC 0.70 0.70 21,344 0.84 0.84 S26 23504003 R CIC 0.62 0.70 18,905 0.84 0.84 S27 23504004 R CIC 1.25 0.70 38,115 0.84 1 S28 23504005 R CIC 0.77 16,760 0.70 6,719 0.84 0 S29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 0 S30 23504007 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.96 0.70 29,272 0.84 0 S32 23504014 R CIC 4.97 0.70 151,545 0.84 0 S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 | | | | | | | | | | 0.18 |
| S26 23504003 R CIC 0.62 0.70 18,905 0.84 C S27 23504004 R CIC 1.25 0.70 38,115 0.84 1 S28 23504005 R CIC 0.77 16,760 0.70 6,719 0.84 0 S29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 0 S30 23504007 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.96 0.70 29,272 0.84 0 S32 23504014 R CIC 4.97 0.70 151,545 0.84 0 S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 R CIC 0.72 0.70 21,954 0.84 0 | | | | | | | | | | 1.81 0.59 |
| S27 23504004 R CIC 1.25 0.70 38,115 0.84 1 S28 23504005 R CIC 0.77 16,760 0.70 6,719 0.84 0 S29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 0 S30 23504007 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.96 0.70 29,272 0.84 0 S32 23504014 R CIC 4.97 0.70 151,545 0.84 0 S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 R CIC 0.72 0.70 21,954 0.84 0 | | | | | | | | | | 0.59 |
| S28 23504005 R CIC 0.77 16,760 0.70 6,719 0.84 C S29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 C S30 23504007 R CIC 0.55 0.70 16,771 0.84 C S31 23504012 R CIC 0.96 0.70 29,272 0.84 C S32 23504014 R CIC 4.97 0.70 151,545 0.84 C S45 23504015 R CIC 0.74 0.70 22,564 0.84 C S33 23505006 R CIC 0.72 0.70 21,954 0.84 C | | | | | | | | | | 1.05 |
| S29 23504006 R CIC 0.44 8,400 0.70 5,016 0.84 0 S30 23504007 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.96 0.70 29,272 0.84 0 S32 23504014 R CIC 4.97 0.70 151,545 0.84 0 S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 R CIC 0.72 0.70 21,954 0.84 0 | | | | | | | | | | 0.65 |
| S30 23504007 R CIC 0.55 0.70 16,771 0.84 0 S31 23504012 R CIC 0.96 0.70 29,272 0.84 0 S32 23504014 R CIC 4.97 0.70 151,545 0.84 4 S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 R CIC 0.72 0.70 21,954 0.84 0 | S29 | | | CIC | | | | | | 0.37 |
| S32 23504014 R CIC 4.97 0.70 151,545 0.84 4 S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 R CIC 0.72 0.70 21,954 0.84 0 | S30 | | R | | | | | | · | 0.46 |
| S45 23504015 R CIC 0.74 0.70 22,564 0.84 0 S33 23505006 R CIC 0.72 0.70 21,954 0.84 0 | | | | | | | | | | 0.81 |
| S33 23505006 R CIC 0.72 0.70 21,954 0.84 | | | | | | i | | | | 4.17 |
| | | | | | | | | | | 0.62 |
| 1/2 22E0E000 V CIC 0.40 0.70 40.007 0.04 | S33 V3 | 23505006 | R | CIC | 0.72 0.42 | | 0.70 | 21,954 12,807 | 0.84 | 0.60 |

scenario 4 North San Jose EIR Study Area: Vacant and Redevelopable Lands

| I.D. | APN | Category | GP | Acres | Existing (ft ²) | FAR | New Development (ft ²) | Weighted C factor | Flow (cfs) |
|--------|----------|----------|-----|--------|-----------------------------|------|------------------------------------|-------------------|------------|
| 058 5 | 23505010 | V | CIC | 0.90 | | 0.70 | 27,473 | 0.84 | 0.76 |
| S34 | 23505014 | R | CIC | 0.62 | | 0.70 | 18,905 | 0.84 | 0.52 |
| S35 | 23505015 | R | CIC | 0.93 | 6,000 | 0.70 | 22,358 | 0.84 | 0.78 |
| S36 | 23505016 | R | CIC | 1.81 | | 0.70 | 55,191 | 0.84 | 1.52 |
| S37 | 23505018 | R | CIC | 1.61 | | 0.70 | 49.092 | 0.84 | 1.35 |
| S38 | 23505022 | R | CIC | 0.49 | | 0.70 | 14,941 | 0.84 | 0.41 |
| S39 | 23505025 | R | CIC | 1.16 | | 0.70 | 35,371 | 0.84 | 0.97 |
| S46 | 23505026 | R | CIC | 1.55 | | 0.70 | 47,263 | 0.84 | 1.30 |
| S40 | 23505033 | R | CIC | 2.14 | 21,564 | 0.70 | 43,689 | 0.84 | 1.80 |
| 489 17 | 23703044 | V | н | 1.79 | | 0.70 | 54.581 | 0.84 | 1.50 |
| RD13 | 23703060 | R | HI | 18.59 | 28,287 | 0.70 | 538,559 | 0.84 | 15.62 |
| 476 7 | 23705050 | V | HI | 15.79 | | 0.70 | 481,469 | 0.84 | 13.26 |
| 057 1F | 23716072 | V | IP | 16.75 | | 0.70 | 510,741 | 0.84 | 14.07 |
| 057 2 | 23716073 | V | CIC | 3.27 | | 0.70 | 99,556 | 0.84 | 2.74 |
| 052 4 | 23717168 | V | IP | 2.41 | | 0.70 | 73,455 | 0.84 | 2.02 |
| 054 3 | 23718054 | V | IP | 7.43 | | 0.70 | 226,556 | 0.84 | 6.24 |
| 055 16 | 23720113 | V | IP | 5.38 | | 0.70 | 164,047 | 0.84 | 4.52 |
| 056 3 | 23721170 | V | CIC | 1.38 | | 0.70 | 42,079 | 0.84 | 1.16 |
| RD14 | 23722065 | R | IP | 5.23 | 81,600 | 0.70 | 77,873 | 0.84 | 4.39 |
| 053 3B | 23728046 | V | IP | 5.32 | - 1,000 | 0.70 | 162,217 | 0.84 | 4.47 |
| 053 3C | 23728046 | V | IΡ | 4.92 | | 0.70 | 150,021 | 0.84 | 4.13 |
| TOTAL | | | | 650.38 | 3,018,543 | | 16,812,935 | | 546,32 |

scenario 5 North San Jose EIR Study Area: Vacant and Redevelopable Lands

| C factor, bldg = | 0.9 | | | - | | | | | |
|--------------------|----------------------|------------|-----------|-----------------|-----------------------------|--------------|-------------------------|-------------------|----------------|
| C factor, land = | 0.7 | in./hr. | | | | | | | - |
| 1101 alea - | | III./III . | | - | | | | | - |
| I.D. | APN | Category | GP | Acres | Existing (ft ²) | FAR | Total Development (ft²) | Weighted C factor | Flow (cfs) |
| RD1 | 9706032 | R | IP IP | 18.45 | | 0.85 | 683,130 | 0.87 | 16.05 |
| 047 16A | 9706037 | V | IP · | 6.88 | | 0.70 | 209,785 | 0.84 | 5.78 |
| RD2 | 9706039 | R | IP | 32.60 | 454,200 | 0.85 | 1,207,048 | 0.87 | 28.36 |
| 048 11I | 9707032 | V | IP | 3.50 | | 0.70 | 106,600 | 0.84 | 2.94 |
| 048 11L | 9707034 | V | IP | 3.86 | | 0.85 | 142,809 | 0.87 | 3.36 |
| 048 12D | 9707040 | V | IP IP | 9.27 | | 0.85 | 343,046 | 0.87 | 8.06 |
| 048 11J 048 11K | 9707047 9707056 | V | IP IP | 5.69 | | 0.70 | 173,499 | 0.84 | 4.78 |
| 048 13F | 9707036 | V | IP | 9.31 6.74 | | 0.70 0.85 | 283,881 | 0.84 | 7.82 |
| 048 13E | 9709037 | V | IP IP | 5.14 | | 0.85 | 249,555 190,425 | 0.87 | 5.86 4.47 |
| RD3 | 9713054 | R | IP | 9.15 | 164,586 | 0.85 | 338,788 | 0.87 | 7.96 |
| RD4 | 9713075 | R | IP | 22.94 | 329,894 | 0.85 | 849,376 | 0.87 | 19.96 |
| R77 | 9714057 | V | IP | 19.85 | | 0.70 | 605,266 | 0.84 | 16.67 |
| 051 13C | 9714061 | V | IP | 6.34 | | 0.70 | 193,319 | 0.84 | 5.33 |
| 051 14D | 9714075 | V | IP | 6.94 | | 0.70 | 211,584 | 0.84 | 5.83 |
| 051 7E | 9715030 | V | IP. | 32.71 | | 0.70 | 997,393 | 0.84 | 27.48 |
| 045 4 045 3A | 9725051 | V | IP | 14.69 | | 0.70 | 447,897 | 0.84 | 12.34 |
| 045 3A 045 1J | 9745014 9745021 | V | IP IP | 10.59 | | 0.85 | 392,253 | 0.87 | 9.22 |
| RD5 | 9745021 | R | IP IP | 104.40 14.23 | 175,000 | 0.85 0.85 | 3,865,514 526,880 | 0.87 0.87 | 90.83 12.38 |
| RD6 | 9752013 | R | IP | 7.51 | 118,491 | 0.85 | 278,065 | 0.87 | 6.53 |
| RD7 | 9753006 | R | IP | 5.26 | 93,136 | 0.85 | 194,757 | 0.87 | 4.58 |
| RD8 | 9756003 | R | IP | 9.24 | 150,000 | 0.85 | 342,120 | 0.87 | 8.04 |
| RD9 | 9756005 | R | IP | 8.24 | 80,000 | 0.85 | 305,094 | 0.87 | 7.17 |
| 046 3 | 9756008 | V | IP | 6.05 | | 0.85 | 223,822 | 0.87 | 5.26 |
| RD10 | 9757010 | R | IP | 2.15 | 52,500 | 0.85 | 79,606 | 0.87 | 1.87 |
| RD11 RD12 | 9758001 | R | IP ID | 18.50 | 199,600 | 0.70 | 564,102 | 0.84 | 15.54 |
| 045 5B | 9758003 9760007 | R | IP CIC | 15.18 4.45 | 234,633 | 0.70 0.85 | 462,869 | 0.84 | 12.75 |
| 045 3B | 9760007 | V | IP | 42.05 | | 0.85 | 164,766 1,556,943 | 0.87 0.87 | 3.87 36.58 |
| 051 BC | 9766002 | V | IP | 8.72 | | 0.70 | 265,890 | 0.84 | 7.32 |
| S47 | 23029074 | R | CIC | 11.33 | 202,594 | 1.00 | 493,535 | 0.90 | 10.20 |
| S48 | 23029075 | R | CIC | 9.64 | 163,600 | 1.00 | 419,918 | 0.90 | 8.68 |
| S43 | 23005007 | R | CIC | 0.57 | | 0.85 | 21,105 | 0.87 | 0.50 |
| S1 | 23029017 | Ŕ | CIC | 1.97 | 25,600 | 0.85 | 72,941 | 0.87 | 1.71 |
| S2 | 23029018 | R | CIC | 1.67 | 26,688 | 0.85 | 61,833 | 0.87 | 1.45 |
| S3 S4 | 23029022 23029026 | R | CIC | 0.87 | 11,824 | 0.85 | 32,213 | 0.87 | 0.76 |
| S5 | 23029026 | R | CIC | 0.40 | 1,109 16,060 | 0.85 0.85 | 14,810 | 0.87 0.87 | 0.35 |
| S6 | 23029041 | R | CIC | 3.37 | 36,624 | 0.85 | 54,058 124,778 | 0.87 | 1.27 2.93 |
| S7 | 23029042 | R | CIC | 1.18 | 7,375 | 0.85 | 43,691 | 0.87 | 1.03 |
| 044 3 | 23029056 | V | CIC | 6.58 | | 0.85 | 243,631 | 0.87 | 5.72 |
| S8 | 23029057 | R | CIC | 7.45 | | 0.85 | 275,844 | 0.87 | 6.48 |
| S42 | 23029085 | R | CIC | 5.87 | | 0.85 | 217,343 | 0.87 | 5.11 |
| S9 | 23501002 | R | CIC | 0.29 | | 0.85 | 10,738 | 0.87 | 0.25 |
| S10 | 23501003 | R | CIC | 1.10 | 20,160 | 0.85 | 40,729 | 0.87 | 0.96 |
| S11 S44 | 23501004 23501005 | R | CIC | 1.42 | | 0.85 | 52,577 | 0.87 | 1.24 |
| V2 | 23502001 | V | CIC | 0.93 | | 0.85 0.85 | 34,434 11,108 | 0.87 0.87 | 0.81 |
| V1 | 23502002 | v | CIC | 0.30 | - | 0.85 | 7,775 | 0.87 | 0.26 0.18 |
| S12 | 23502009 | R | CIC | 0.08 | 592 | 0.85 | 2,962 | 0.87 | 0.18 |
| S13 | 23502010 | R | CIC | 0.35 | | 0.85 | 12,959 | 0.87 | 0.30 |
| S14 | 23502014 | R | CIC | 2.97 | | 0.85 | 109,967 | 0.87 | 2.58 |
| S15 | 23502016 | R | CIC | 0.50 | | 0.85 | 18,513 | 0.87 | 0.44 |
| S16 | 23502017 | R | CIC | 0.57 | | 0.85 | 21,105 | 0.87 | 0.50 |
| S17 | 23502024 | R | CIC | 0.09 | | 0.85 | 3,332 | 0.87 | 0.08 |
| S18 S19 | 23502025 | R | CIC | 0.64 | 21,840 | 0.85 | 23,697 | 0.87 | 0.56 |
| S20 | 23502026 23503001 | R | CIC | 0.53 0.65 | 2,127 | 0.85 0.85 | 19,624 | 0.87 | 0.46 |
| \$21 | 23503001 | R | CIC | 2.51 | 2,121 | 0.85 | 24,067 92,935 | 0.87 0.87 | 0.57 2.18 |
| S22 | 23503002 | R | CIC | 0.29 | 6,018 | 0.85 | 10,738 | 0.87 | 0.25 |
| S23 | 23503007 | R | CIC | 0.22 | 5,424 | 0.85 | 8,146 | 0.87 | 0.23 |
| S24 | 23503013 | R | CIC | 2.15 | 31,450 | 0.85 | 79,606 | 0.87 | 1.87 |
| S25 | 23504002 | R | CIC | 0.70 | | 1.00 | 30,492 | 0.90 | 0.63 |
| S26 | 23504003 | R | CIC | 0.62 | | 1.00 | 27,007 | 0.90 | 0.56 |
| S27 | 23504004 | R | CIC | 1.25 | | 1.00 | 54,450 | 0.90 | 1.13 |
| S28 | 23504005 | R | CIC | 0.77 | 16,760 | 1.00 | 33,541 | 0.90 | 0.69 |
| S29 S30 | 23504006 | R | CIC | 0.44 | 8,400 | 1.00 | 19,166 | 0.90 | 0.40 |
| S30 S31 | 23504007 23504012 | R | CIC | 0.55 0.96 | | 1.00 | 23,958 | 0.90 | 0.50 |
| S32 | 23504012 | R | CIC | 4.97 | | 1.00 | 41,818 | 0.90 | 0.86 |
| S45 | 23504014 | R | CIC | 0.74 | | 1.00 | 216,493 32,234 | 0.90 | 4.47 0.67 |
| S33 | 23505006 | R | CIC | 0.72 | | 0.85 | 26,659 | 0.90 | 0.63 |
| V3 | 23505009 | V | CIC | 0.42 | - | 0.85 | 15,551 | 0.87 | 0.37 |

scenario 5 North San Jose EIR Study Area: Vacant and Redevelopable Lands

| <u>I.D.</u> | APN | Category | GP | Acres | Existing (ft ²) | FAR | Total Development (ft ²) | Weighted C factor | Flow (cfs) |
|-------------|----------|----------|-------|--------|-----------------------------|------|--------------------------------------|-------------------|------------|
| 058 5 | 23505010 | V | CIC | 0.90 | | 0.85 | 33,360 | 0.87 | 0.78 |
| S34 | 23505014 | R | CIC | 0.62 | | 0.85 | 22,956 | 0.87 | 0.54 |
| \$35 | 23505015 | R | CIC . | 0.93 | 6,000 | 0.85 | 34,434 | 0.87 | 0.81 |
| S36 | 23505016 | R | CIC | 1.81 | | 0.85 | 67,017 | 0.87 | 1.57 |
| S37 | 23505018 | R | CIC | 1.61 | | 1.00 | 70.132 | 0.90 | 1.45 |
| \$38 | 23505022 | R | CIC | 0.49 | - i | 1.00 | 21,344 | 0.90 | 0.44 |
| S39 | 23505025 | R | CIC | 1.16 | | 1.00 | 50.530 | 0.90 | 1.04 |
| S46 | 23505026 | R | CIC | 1.55 | | 1.00 | 67,518 | 0.90 | 1.40 |
| S40 | 23505033 | R | CIC | 2.14 | 21,564 | 1.00 | 93,218 | 0.90 | 1.93 |
| 489 17 | 23703044 | V | HI | 1.79 | | 0.70 | 54,581 | 0.84 | 1.50 |
| RD13 | 23703060 | R | HI | 18.59 | 28,287 | 0.70 | 566,846 | 0.84 | 15.62 |
| 476 7 | 23705050 | V | HI | 15.79 | | 0.70 | 481,469 | 0.84 | 13.26 |
| 057 1F | 23716072 | V | IP | 16.75 | | 0.85 | 620,186 | 0.87 | 14.57 |
| 057 2 | 23716073 | V | CIC | 3.27 | | 0.85 | 120,890 | 0.87 | 2.84 |
| 052 4 | 23717168 | V | IP | 2.41 | | 0.85 | 89,196 | 0.87 | 2.10 |
| 054 3 | 23718054 | V | IP | 7.43 | | 0.70 | 226,556 | 0.84 | 6.24 |
| 055 16 | 23720113 | V | IP | 5.38 | | 0.70 | 164,047 | 0.84 | 4.52 |
| 056 3 | 23721170 | V | CIC | 1.38 | | 0.70 | 42,079 | 0.84 | 1.16 |
| RD14 | 23722065 | R | IP | 5.23 | 81.600 | 0.85 | 193,646 | 0.87 | 4.55 |
| 053 3B | 23728046 | V | IP | 5.32 | | 0.70 | 162,217 | 0.84 | 4.47 |
| 053 3C | 23728046 | V | IP | 4.92 | | 0.70 | 150,021 | 0.84 | 4.13 |
| TOTAL | - | | | 650.38 | 3,018,543 | | 22,970,406 | | 560.73 |